

PYTHON PROJECTS 2020-2021

1	Design and Implementation of Domestic News Collection System Based on Python
2	Data Analysis by Web Scraping using Python
3	Demystifying and Anticipating Graduate School Admissions using Machine Learning Algorithms
4	Design and Implementation of Domestic News Collection System Based on Python
5	Weakly-supervised Deep Embedding for Product Review Sentiment Analysis
6	End-to-end Conversion Speed Analysis of an FPT.AI-based Text-to-Speech Application
7	A Corona Recognition Method Based on Visible Light Color and Machine Learning
8	Location prediction on Twitter using machine learning Techniques
9	Machine Learning for Web Vulnerability Detection: The Case of Cross-Site Request Forgery
10	Artificial Intelligence and COVID-19 Deep Learning Approaches for Diagnosis and Treatment
11	Generating Cloud Monitors from Models to Secure Clouds
12	Leveraging CNN and Transfer Learning for Vision-based Human Activity Recognition
13	B5G and Explainable Deep Learning Assisted Healthcare Vertical at the Edge COVID-19 Perspective
14	Exploratory Data Analysis and Machine Learning on Titanic Disaster Dataset
15	Cryptocurrency Price Analysis with Artificial Intelligence
16	Image-Based Plant Disease Detetction A Comparison of Deep Learning and Classical
17	Predicting and Defining B2B Sales Success with Machine Learning
18	Machine Learning Based Rainfall Predection
19	Predicting COVID-19 in China Using Hybrid AI Model
20	Predicting Flight Delays with Error Calculation using Machine Learned Classifiers
21	Scalable Analytics Platform for Machine Learning in Smart Production Systems

PYTHON PROJECTS 2020-2021

22	An application of a deep learning algorithm for automatic detection of unexpected accidents under bad CCTV monitoring conditions in tunnels
23	Traffic Prediction for Intelligent Transportation System using Machine Learning
24	Alzheimer Disease Prediction using Machine Learning Algorithms
25	Artificial Intelligence in Prediction of PostMortem Interval (PMI) Through Blood Biomarkers in Forensic Examination-A Concept
26	Crop Yield Prediction using Machine Learning Techniques
27	An Analysis of Machine Learning Classifiers in Breast Cancer Diagnosis
28	A Survey on machine learning techniques for the diagnosis of liver disease
29	Machine Learning for Web Vulnerability Detection: The Case of Cross-Site Request Forgery
30	Text Classification on Twitter Data
31	Automated Machine Learning: The New Wave of Machine Learning
32	When Dictionary Learning Meets Deep Learning: Deep Dictionary Learning and Coding Network for Image Recognition With Limited Data
33	Content Analysis of Messages in Social Networks, Identification of Suicidal Types
34	An Examination System Automation Using Natural Language Processing
35	Applications of Machine Learning in The Field of Medical Care
36	Interpretable Machine Learning in Healthcare through Generalized Additive Model with Pairwise Interactions (GA2M): Predicting Severe Retinopathy of Prematurity*
37	Analysis and Prediction of Cardio Vascular Disease using Machine Learning Classifiers
38	Design of Restaurant Billing System (E Bill Resto) by Applying Synchronization of Data Billing in Branch Companies to Main Companies Based on Rest API
39	Car Popularity Prediction: A Machine Learning Approach
40	Building Search Engine Using Machine Learning Technique
41	School-Enterprise Cooperation on Python Data Analysis Teaching
42	A Study of Blockchain Technology in Farmer's Portal
43	Improving Lives of Indebted Farmers Using Deep Learning
44	The Influence of Artificial Intelligence Development on Patent Legislation
45	Prediction of House Pricing using Machine Learning with Python

PYTHON PROJECTS 2020-2021

46	Stress Detection in IT Professionals by Image Processing and Machine Learning
47	Transfer Learning for Recognizing Face in Disguise
48	Application Research of Text Classification Based on Random Forest Algorithm
49	Checking Security Properties of Cloud Service REST APIs
50	Heart Disease Prediction Using Machine Learning Algorithms

2019-20 TITLES

PROJECT ID	TITLE
MSR-PY-001	A USER-CENTRIC MACHINE LEARNING FRAMEWORK FOR CYBER SECURITY OPERATIONS CENTER
MSR-PY-002	CORRELATED MATRIX FACTORIZATION FOR RECOMMENDATION WITH IMPLICIT FEEDBACK
MSR-PY-003	REVIEW OF THE USE OF AI TECHNIQUES IN SERIOUS GAMES: DECISION-MAMSRNG AND MACHINE
MSR-PY-004	SEMI-SUPERVISED MACHINE LEARNING APPROACH FOR DDOS DETECTION
MSR-PY-005	WEAKLY-SUPERVISED DEEP EMBEDDING FOR PRODUCT REVIEW SENTIMENT ANALYSIS
MSR-PY-006	PERSONALIZED AFFECTIVE FEEDBACK TO ADDRESS STUDENTS' FRUSTRATION IN ITS
MSR-PY-007	HOW DATA-DRIVEN ENTREPRENEUR ANALYZES IMPERFECT INFORMATION FOR BUSINESS OPPORTUNITY EVALUATION
MSR-PY-008	MULTI-TRAFFIC SCENE PERCEPTION BASED ON SUPERVISED LEARNING
MSR-PY-009	ROBUST MALWARE DETECTION FOR INTERNET OF (BATTLEFIELD) THINGS DEVICES USING DEEP EIGENSPACE LEARNING
MSR-PY-010	A BI-OBJECTIVE HYPER-HEURISTIC SUPPORT VECTOR MACHINES FOR BIG DATA CYBER-SECURITY
MSR-PY-011	MODELING AND PREDICTING CYBER HACMSRNG BREACHES

PYTHON PROJECTS 2020-2021

MSR-PY-012	PRICE-BASED RESOURCE ALLOCATION FOR EDGE COMPUTING: A MARKET EQUILIBRIUM APPROACH
MSR-PY-013	STRING SIMILARITY SEARCH: A HASH-BASED APPROACH
MSR-PY-014	A DATA MINING BASED MODEL FOR DETECTION OF FRAUDULENT BEHAVIOUR IN WATER CONSUMPTION
MSR-PY-015	DATA-DRIVEN DESIGN OF FOG COMPUTING AIDED PROCESS MONITORING SYSTEM FOR LARGE-SCALE INDUSTRIAL PROCESSES
MSR-PY-016	EFFICIENT VERTICAL MINING OF HIGH AVERAGE-UTILITY ITEMSETS BASED ON NOVEL UPPER-BOUNDS
MSR-PY-017	DESIGNING CYBER INSURANCE POLICIES: THE ROLE OF PRE-SCREENING AND SECURITY INTERDEPENDENCE
MSR-PY-018	NONINTRUSIVE SMARTPHONE USER VERIFICATION USING ANONYMIZED MULTIMODAL DATA
MSR-PY-019	WEB APPLICATION FOR COMMUNITY QUESTION ANSWERING
MSR-PY-020	TEXT CLASSIFICATION FOR NEWSGROUP USING MACHINE LEARNING
MSR-PY-021	DATA ANALYTICS APPROACH TO THE CYBERCRIME UNDERGROUND ECONOMY
MSR-PY-022	IMAGE BASED APPRAISAL OF REAL ESTATE PROPERTIES
MSR-PY-023	CLOUD-BASED MULTIMEDIA CONTENT PROTECTION SYSTEM
MSR-PY-024	SERENDIPITOUS RECOMMENDATION IN E-COMMERCE USING INNOVATOR –BASED COLLABORATIVE FILTERING
MSR-PY-025	ASSESSING THE EFFECTIVENESS OF RIPARIAN RESTORATION PROJECTS USING LANDSAT AND PRECIPITATION DATA FROM THE CLOUD-COMPUTING APPLICATION
MSR-PY-026	DATA SECURITY APPROACH ON CYBER CRIME WITH WEB VULNERABILITY
MSR-PY-027	EXPLORATORY VISUAL SEQUENCE MINING BASED ON PATTERN-GROWTH
MSR-PY-028	TOWARD BETTER STATISTICAL VALIDATION OF MACHINE LEARNING-BASED MULTIMEDIA QUALITY ESTIMATORS

PYTHON PROJECTS 2020-2021

MSR-PY-029	RAINFALL RATE PREDICTION BASED ON ARTIFICIAL NEURAL NETWORKS FOR RAIN FADE MITIGATION OVER EARTH-SATELLITE LINK
MSR-PY-030	PHISHING WEB SITES FEATURES CLASSIFICATION BASED ON MACHINE LEARNING
MSR-PY-031	PREDICTING THE TOP-N POPULAR VIDEOS VIA A CROSS-DOMAIN HYBRID MODEL
MSR-PY-032	APPLIED MACHINE LEARNING PREDICTIVE ANALYTICS TO SQL INJECTION ATTACK DETECTION AND PREVENTION
MSR-PY-033	A MULTI-TASK LEARNING APPROACH FOR IMAGE CAPTIONING
MSR-PY-034	MACHINE LEARNING AND DEEP LEARNING METHODS FOR CYBERSECURITY
MSR-PY-035	CREDIT CARD FRAUD DETECTION USING ADABOOST AND MAJORITY VOTING
MSR-PY-036	BLOCKCHAIN: A GAME CHANGER FOR SECURING IOT DATA
MSR-PY-037	OBJECT VISUAL DETECTION FOR INTELLIGENT VEHICLES
MSR-PY-038	AUTOMATIC VISUAL FEATURES FOR WRITER IDENTIFICATION A DEEP LEARNING APPROACH
MSR-PY-039	ANALYSIS OF WOMEN SAFETY IN INDIAN CITIES USING MACHINE LEARNING ON TWEETS
MSR-PY-040	PHISHING EMAIL DETECTION USING IMPROVED RCNN MODEL WITH MULTILEVEL VECTORS AND ATTENTION MECHANISM
MSR-PY-041	URBAN STREET CLEANLINESS ASSESSMENT USING MOBILE EDGE COMPUTING AND DEEP LEARNING
MSR-PY-042	CHARACTERIZING AND PREDICTING EARLY REVIEWERS FOR EFFECTIVE PRODUCT MARKETING ON E-COMMERCE WEBSITES
MSR-PY-043	RICH SHORT TEXT CONVERSATION USING SEMANTIC KEY CONTROLLED SEQUENCE GENERATION
MSR-PY-044	BAG-OF-DISCRIMINATIVE-WORDS (BODW) REPRESENTATION VIA TOPIC MODELING
MSR-PY-045	FINDING TRUSTWORTHY SERVICE PROVIDER IN TRUSTED NETWORK

PYTHON PROJECTS 2020-2021

MSR-PY-046	DOCUMENT CLUSTERING USING IMPROVED K-MEANS ALGORITHM
MSR-PY-047	MULTIFACTOR OPINION MINING AND INTENTION ANALYSIS FOR BUSINESS INTELLIGENCE
MSR-PY-048	SENTIMENT ANALYSIS SYSTEM TO IMPROVE TEACHING AND LEARNING
MSR-PY-049	THE MOST TRENDING ARTICLES EVERY YEAR USING NLP TECHNIQUES
MSR-PY-050	DYNAMIC FACT ORDERING FOR FACTATED PRODUCT SEARCH ENGINES
MSR-PY-051	FREQUENT ITEMSETS MINING WITH DIFFERENTIAL PRIVACY OVER LARGE SCALE DATA
MSR-PY-052	PERSONALIZED RECOMMENDATION OF SOCIAL IMAGES BY CONSTRUCTING A USER INTEREST TREE WITH DEEP FEATURES AND TAG TREES
MSR-PY-053	AUDIO SENTIMENT ANALYSIS SYSTEM
MSR-PY-054	A FAST SCENE TEXT DETECTOR USING KNOWLEDGE DISTILLATION
MSR-PY-055	AN EFFICIENT STEGANOGRAPHY METHOD USING AD PVD
MSR-PY-056	RECOLORED IMAGE DETECTION VIA A DEEP DISCRIMINATIVE MODEL
MSR-PY-057	E-ASSESSMENT USING IMAGE PROCESSING
MSR-PY-058	CURRENCY RECOGNITION SYSTEM USING IMAGE PROCESSING
MSR-PY-059	CLASSIFYING DEPRESSED USERS WITH MULTIPLE INSTANCE LEARNING FROM SOCIAL NETWORK DATA
MSR-PY-060	SELECTIVE LEARNING CONFUSION CLASS FOR TEXT-BASED CAPTCHA RECOGNITION
MSR-PY-061	ACCURACY OF CONVOLUTION NEURAL NETWORKS FOR CLASSIFYING SENTIMENTS ON MOVIE REVIEWS
MSR-PY-062	CNN BASED LEAF DISEASE IDENTIFICATION AND REMEDY RECOMMENDATION SYSTEM
MSR-PY-063	HYBRID SELF-ORGANIZED CLUSTERING SCHEME FOR DRONE BASED COGNITIVE INTERNET OF THINGS
MSR-PY-064	NETWORK INTRUSION DETECTION FOR IOT SECURITY BASED ON LEARNING TECHNIQUES

PYTHON PROJECTS 2020-2021

MSR-PY-065	TO IDENTIFY TREE SPECIES WITH HIGHLY SIMILAR LEAVES BASED ON A NOVEL ATTENTION MECHANISM FOR CNN
MSR-PY-066	A DETAILED INVESTIGATION AND ANALYSIS OF USING MACHINE LEARNING TECHNIQUES FOR INTRUSION DETECTION
MSR-PY-067	PREDICTION OF HEART DISEASE USING MACHINE LEARNING ALGORITHMS
MSR-PY-068	LEVERAGING UNLABELLED DATA FOR EMOTION RECOGNITION WITH ENHANCED COLLABORATIVE SEMI-SUPERVISED LEARNING
MSR-PY-069	MODEL FOR HANDWRITTEN RECOGNITION BASED ON ARTIFICIAL INTELLIGENCE
MSR-PY-070	UTILIZATION-AWARE TRIP ADVISOR IN BIKE-SHARING SYSTEMS BASED ON USER BEHAVIOR ANALYSIS
MSR-PY-071	BREAST CANCER PREDICTION
MSR-PY-072	DEEP CLUE: VISUAL INTERPRETATION OF TEXT-BASED DEEP STOCK PREDICTION
MSR-PY-073	AUTOMATING E-GOVERNMENT SERVICES WITH ARTIFICIAL INTELLIGENCE
MSR-PY-074	EXPLORING TRAJECTORY PREDICTION THROUGH MACHINE LEARNING METHODS
MSR-PY-075	ENRON EMAILS USING MACHINE LEARNING WITH DATA ANALYSIS
MSR-PY-076	GENERATING WIMSRPEDIA BY SUMMARIZING LONG SEQUENCES
MSR-PY-077	A SURVEY ON OPTICAL CHARACTER RECOGNITION SYSTEM
MSR-PY-078	5G-SMART DIABETES TOWARD PERSONALIZED DIABETES DIAGNOSIS WITH HEALTHCARE BIG DATA CLOUDS
MSR-PY-079	A DECISION TREE BASED RECOMMENDATION SYSTEM FOR TOURISTS
MSR-PY-080	VIDEO-BASED ABNORMAL DRIVING BEHAVIOUR DETECTION VIA DEEP LEARNING FUSIONS
MSR-PY-081	A MACHINE LEARNING MODEL FOR AVERAGE FUEL CONSUMPTION IN HEAVY VEHICLES

PYTHON PROJECTS 2020-2021

MSR-PY-082	DEEP LEARNING APPLICATIONS IN MEDICAL IMAGE ANALYSIS-BRAIN TUMOR
MSR-PY-083	HUMAN ACTIVITY RECOGNIZATION
MSR-PY-084	TWITER SENTIMENTAL ANALYSIS
MSR-PY-085	BIRD SPECIES IDENTIFICATION USING DEEP LEARNING
MSR-PY-086	DENSITY BASED SMART TRAFFIC CONTROL SYSTEM USING CANNY EDGE DETECTION ALGORITHM FOR CONGREGATING TRAFFIC INFORMATION
MSR-PY-087	DRIVER DROWSINESS MONITORING SYSTEM USING VISUAL BEHAVIOUR AND MACHINE LEARNING
MSR-PY-088	IMAGE CLASSIFICATION USING CNN (CONVOLUTION NEURAL NETWORKS) ALGORITHM
MSR-PY-089	EYE BALL CURSOR MOVEMENT USING OPENCV
MSR-PY-090	COORING OF AN IMAGE
MSR-PY-091	BIG MART SALES
MSR-PY-092	USE OF ARTIFICIAL NEURAL NETWORKS TO IDENTIFY FAKE PROFILES
MSR-PY-093	A DEEP LEARNING FACIAL EXPRESSION RECOGNITION BASED SCORING SYSTEM FOR RESTAURANTS
MSR-PY-094	EMOTION RECOGNITION ON TWITTER USING UNISOL MODEL
MSR-PY-095	NETWORK INTRUSION DETECTION USING SUPERVISED MACHINE LEARNING TECHNIQUE WITH FEATURE SELECTION
MSR-PY-096	STOCK MARKET TREND USING KNN
MSR-PY-097	SENTIMENT LEXICON CONSTRUCTION WITH HIERARCHICAL SUPERVISION TOPIC MODEL
MSR-PY-098	ANALYSIS OF ROAD TRAFFIC FATAL ACCIDENTS USING DATA MINING TECHNIQUES
MSR-PY-099	ANALYSIS OF THE LOGISTIC MODEL FOR ACCIDENT SEVERITY ON URBAN ROAD
MSR-PY-100	ESTIMATING THE PRICE OF HOUSES USING MACHINE LEARNING
MSR-PY-101	LIVER DISEASE PREDICTION USING SVM AND NAÏVE BAYES ALGORITHMS

PYTHON PROJECTS 2020-2021

MSR-PY-102	Predicting the strength of the concrete pillars used in industrial infrastructure
MSR-PY-103	MARKET BASKET ANALYSIS
MSR-PY-104	WORDCLOUD
MSR-PY-105	WEATHER FORECASTING TO PREVENTS A NATURAL CALAMITIES

MSR PROJECTS