

SHUBHAM NARKHEDE

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Experience

Reliance Jio Platform Ltd

October 2020 – July 2022

Software Developer

Mumbai, India

- Developed a Web-Application; implemented full Platform API using NodeJS, Express, Mysql server Database
- Took responsibility for architecting and implementing micro-services which managed API querying, cached API data, maintained historical log, stored user app data, and calculated popularity and demographic metrics
- Worked on Redis, SocketIO to improve API performance and to give user a real-time update experience.
- Implemented Global Search using Elastic Search for user ease of finding his tasks

KPMG - Data Analytics Consulting

June 2020

Intern

Virtual

- Data quality and completeness in preparation for analysis. Targeting high value customers based on customer demographics and attributes. Data Insights and Presentation Using visualizations to present insights (Tableau)

Reliance Jio Infocom Limited

Dec 2018 – Jan 2019

Product Development Intern

Mumbai, India

- Worked on a IOT-device development, implemented a parser for acquiring data from a sensor and storing it in the cloud. Used C, Ubuntu for Project "Connected Car"

Publication

Ensemble Machine Learning model for Intrusion Detection | *Python, NSL-KDD, Sklearn, Numpy.* January 2021

- Presented a novel approach to ensemble MLP and Random Forest, Proposed algorithm was able to precisely detect attack on real time data. To capture real time data packets in the network CIC Flow Meter packet data capture is used

Projects

Predicting the Hotel booking Cancellation | *Python, Jupyter, Numpy, Pandas*

October 2020

- The main idea in this project was to find the best classification model for predicting bookings cancellations and finding the best explaining variables for customer cancellations
- After trying different Algorithms, found random forest and gradient boosting gave maximum accuracy

Transaction Management GUI | *Java, Eclipse, JavaFX*

October 2019

- Designed a sample banking transaction system using Java to simulate the common functions of using a bank account
- Used JavaFX to create a GUI that supports actions such as creating an account, deposit, withdraw, list all accounts, etc.
- Implemented object-oriented programming practices such as inheritance to create different account types and databases

Home Automation Using Raspberry PI3 | *Google assistant, Python, Raspberry PI3*

June 2018

- Build a Home Automation device using Google assistant, and cloud. Designed a prototype with a Light Bulb, Temperature Sensor connected to a Raspberry PI3. The users Device Google assistant is connected to the Cloud and using Voice commands the instruction is sent to the Raspberry PI which performs the action

Technical Skills

Languages: Python, Java, C, C++, HTML, JavaScript, SQL.

Technologies/Frameworks: Elastic Search, SocketIO, Redis sentinel, NodeJS, MYSQL, Azure, Linux, GitHub

Machine Learning and Deep Learning: Scikit-learn, NumPy, Pandas, matplotlib, SciPy, Pytorch, Keras, Tensorflow.

Courses: Applied Data Science Capstone, Statistical Inference Python for DS and AI, Data Visualization with Python

Leadership / Extracurricular

- Served as Technical Head IETE (Institution of Electronics and Telecommunication Engineers), 2019
- Participated in Tree Plantation Drive organised by Social Wing RAIT, 2019
- Certified "Microsoft Exam 98-381, Introduction to Programming Using Python" Exam, 2018.
- Social Wing RAIT UDAAN Marathon for Social Help, 2017

Education

Stevens Institute of Technology

Sep. 2022 – Expected 2024

Master of Science, Data Science

Hoboken, NJ

Ramrao Adik Institute of Technology Nerul, Mumbai University

Aug. 2016 – Oct 2020

Bachelor of Engineering, Electronics and Telecommunication

Mumbai, India