Vrushali More

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EDUCATION

Binghamton University, State University of New York, Thomas J. Watson College of Engineering and Applied Science
Master of Science in Computer Science | **CGPA: 3.73/4.00** ***May 2024***
Courses: Data Structures and Algorithms, Design Patterns, Operating Systems, Cloud Computing, Programming Languages, Artificial Intelligence, Computer Architecture and Organization, Social Media Data Science Pipeline

Savitribai Phule Pune University, India
Master of Engineering in Information Technology | **CGPA: 9.29/10.00** ***May 2021***

Savitribai Phule Pune University, India
Bachelor of Engineering in Computer Science | **CGPA: 7.26/10.00** ***May 2019***

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, C, C++
Databases: SQL, MongoDB, MySQL, NoSQL
Software & Frameworks: Java Spring Boot, REST, Angular, TensorFlow, React JS, NodeJS, HTML5, PHP, CSS
Cloud Technologies and DevOps Tools: AWS (EC2, S3, ECS, EBS, EKS, RDS, Lambda), Google Cloud Platform (Compute Engine, Load Balancer, GCP Buckets), Docker, Azure, Kubernetes
Others: Apache-Kafka, Tableau, Jira, Git, Junit, Agile, MS Office, Visual Studio, IntelliJ, Linux, UNIX

WORK EXPERIENCE

Critical River | Machine Learning Intern | Pleasanton, California ***Jan 2024 – April 2024***
- Developed and implemented machine learning models (Random Forest and Logistic Regression) using Python to analyze the largest dataset of hospital and healthcare data, improving the accuracy of employee turnover prediction by 20%.
- Performed data cleaning and data manipulation on the Healthcare dataset, achieving a 15% increase in data accuracy.
- Orchestrated deployment pipelines utilizing Docker and Kubernetes on GCP, and integrated CI/CD tools for seamless deployment.
- Worked on the Enterprise Machine Learning platform team to analyze metrics and create models for predicting and resolving alerts using tools like TensorFlow, AWS Lambda, and Large Language Models (LLM).
- Enhanced data visualization and engineered new features from raw data using libraries such as Matplotlib, Seaborn, Plotly, Pandas, and NumPy to improve model accuracy and insights.

Infosys | Senior Systems Engineer | Pune, India ***Sept 2021 – June 2022***
- Developed end-to-end application service using Microservices, Java, Spring Boot and Angular.
- Developed 20+ services for a Healthcare Platform, learned QA/PT/UAT deployment in various environment.
- Collaborated with cross-functional teams to design and implement CI/CD pipelines and developed REST APIs.
- Worked cross functionally with test team members and developers enhancing testing infrastructure and integrating new tools.
- Completed a certification in Agile methodologies, resulting in a 25% increase in project delivery speed.

Infosys | Systems Engineer | Mysore, India ***Sept 2020 – Sept 2021***
- Gained knowledge of Java Spring Boot and Microservices through stream training in Java, Python, and Angular, and developed an E-kart application using Python.
- Utilized Kubernetes for containerizing applications, worked with CI/CD Pipeline and Microservices architecture, improving scalability and simplifying deployment process.
- Worked cross-functionally with test teams and developers, enhancing testing infrastructure, integrating new tools and bug fixes.

PROJECT EXPERIENCE

Aspect-based Sentiment Analysis of Movie Reviews | Binghamton, NY ***Aug 2023–Dec 2023***
- Collected real time data from Reddit and TMDB APIs and stored it in MongoDB for analysis.
- Predicted Future movies popularity based on key factors, determined positive negative hypes for them on reddit, and extracted most popular phrases for each movie with each subreddit.

Home Automation through IoT using Cloud Services | Binghamton, NY ***Jan 2023–May 2023***
- Developed a home automation device through IoT using Google Cloud Services, a Flask web server, and hosted the website on GCP. Integrated Firebase Realtime Database for user commands and various GCP services, including Compute Engine, buckets, and Load Balancer.

Credit Card Fraud Detection Using Machine Learning, Python Programming | Pune, India ***Aug 2020–May 2021***
- Detected fraud and non-fraud transactions using supervised and unsupervised machine learning algorithms.
- Collected and classified data, concluding with the most accurate algorithmic approach.

PUBLICATIONS

- Credit Card Fraud Detection Using Machine Learning - Detection of fraud and non-fraud transactions using Machine Learning.
- Energy Clone Detection - The Energy-Efficient Distributed Star Based Clone Detection (ESCD) protocol is a network region, of wireless sensor nodes randomly distributed in the network which detects the clone. Paper ID - IJETIR1903856