Vrushali More

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EDUCATION

Binghamton University, State University of New York
Master of Science in Computer Science | **CGPA: 3.73/4** ***Jan 2023 - May 2024***
Courses: Data Structures and Algorithms, Design Patterns, Operating Systems, Cloud Computing, Artificial Intelligence, Social Media Data Science Pipeline, Software Engineering and Project Management

Savitribai Phule Pune University, India
Master of Engineering in Information Technology | **CGPA: 9.29/10** ***Sep 2019 - May 2021***

Savitribai Phule Pune University, India
Bachelor of Engineering in Computer Science | **CGPA: 7.26/10** ***Aug 2016 - May 2019***

TECHNICAL SKILLS

Languages: Java, Python, JavaScript
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
Databases: SQL, MongoDB, NoSQL, Postgres, Oracle
Others: Apache-Kafka, Tableau, Jira, Git, Junit, Jenkins, Agile, Postman, MS Office, Eclipse, Visual Studio, IntelliJ, Linux, UNIX

WORK EXPERIENCE

Infosys | Senior Systems Engineer | Pune, India ***Sept 2020 – June 2022***

- Designed and implemented microservices using Java Spring Boot, enabling modular, scalable application architecture for a healthcare platform.
- Developed and optimized 20+ RESTful APIs, facilitating seamless data exchange and improving operational efficiency across various system modules.
- Collaborated with cross-functional teams to design and deploy CI/CD pipelines, streamlining software delivery processes and enhancing project timelines by 25%.
- Ensured secure communication and compliance by integrating best practices in OAuth, JWT, and API security standards.
- Leveraged Kubernetes for containerization and orchestration, improving application scalability and deployment efficiency.
- Conducted end-to-end unit testing, incorporating methodologies to validate microservice APIs and ensure high-quality deliverables.
- Authored comprehensive design documents addressing business requirements, technical solutions, and gap analysis.
- Proficient in working within Agile and Scrum environments, utilizing Test-Driven Development (TDD) practices to deliver high-quality software solutions.
- Improved application resilience by implementing robust logging and exception handling in microservices architecture.
- Supported deployment on cloud platforms such as Azure, ensuring scalability and reliability of microservices-based solutions.

TomTom | Software Developer | Pune, India ***Jan 2019 – Aug 2019***

- Designed and developed high-quality software solutions, applying object-oriented programming (OOP) principles and software engineering design patterns to enhance system functionality and delivery of innovative map products.
- Delivered optimized code adhering to best practices in Python programming and RESTful API development, ensuring performance and scalability.

PROJECT EXPERIENCE

Aspect-based Sentiment Analysis of Movie Reviews (Project Link)

- Collected real time data from Reddit and TMDB APIs and stored it in MongoDB for analysis.
- Designed and developed a proof-of-concept (POC) to predict movie popularity using Python and machine learning algorithms, showcasing practical applications of large-scale data analysis.
- Applied strong knowledge of data structures and algorithms to optimize data pipelines and improve processing efficiency.

Home Automation through IoT using Cloud Services (Project Link)

- Developed a home automation device through IoT using Google Cloud Services, a Flask web server, hosted the website on GCP and integrated Firebase Realtime Database for user commands and various GCP services.

Credit Card Fraud Detection Using Machine Learning (Project Link)

- Designed and implemented fraud detection models using Python and machine learning algorithms, achieving high prediction accuracy.
- Utilized tools like Hadoop, Spark, and Scala, paired with Python packages and libraries to process large-scale credit card dataset.

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