# 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, DynamoDB, CloudFront, CDN), 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

**Binghamton University | Research Analyst | Binghamton, NY**                                 *Sept 2024 – Present*
- Developing a serverless application leveraging Amazon Polly to convert text to speech in multiple languages, with a web-based user interface for audio playback.
- Designed and implemented the backend architecture using AWS Lambda, API Gateway, and Amazon SNS to orchestrate the text-to-speech conversion process and built a RESTful API for seamless communication for backend services.

**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.

**TomTom | Software Developer | Pune, India**                                                *Jan 2019 – Aug 2019*
- Designed and developed high-quality web services, 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, troubleshooting, 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