

SHREYA PRAMOD

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EDUCATION

Master of Science in Computer Science

Rochester Institute of Technology

Aug 2021 – Dec 2023

Rochester, NY

Courses: Java Programming, Big Data, Artificial Intelligence, Machine Learning, Foundations of Algorithms, NoSQL Data Management

Bachelor of Technology in Electronics & Communication

Visvesvaraya National Institute of Technology

Aug 2015 – May 2019

Nagpur, India

TECHNICAL SKILLS

Language: Java, Python, C++, SQL, HTML, CSS, MATLAB, XML, Javascript

Database: Amazon DynamoDB, Microsoft SQL Server, PostgreSQL, MongoDB, Neo4j

Framework: Guice, JUnit 5, Mockito, NumPy, Pandas, Scikit-Learn, Matplotlib, Seaborn, FastAPI

Tools & Operating System: Oracle SQL Developer, Git, Linux

EXPERIENCE

Amazon Web Services (AWS)

Software Development Engineer Intern

Jan 2023 - May 2023

Seattle, WA

- Enhanced BulkImport job efficiency by increasing **S3** object processing capacity per request from 5K to 100K.
- Accomplished 62% test coverage through **in-memory** and **functional tests**.
- Adapted AWS services (S3, IAM, DynamoDB, CloudTrail) with Java SDK, showcasing exceptional proficiency.
- Attained a **99.6% efficiency** improvement by decoupling BulkImport jobs from S3 object count.
- Optimized code in AWS test environment, with sample customer data, **Cloudwatch** logs, and metrics.
- Implemented **agile** with **CI/CD** pipeline, achieving **90% better DataPlane utilization**.

Rochester Institute of Technology, NY

Graduate Teaching Assistant

Sep 2022 - Dec 2022

Rochester, NY

- Tutored and improved student performance by 50% in **Java** and **Python** projects.
- Delivered personalized assistance and engaging classes to **50+ students**, fostering proficiency in Big Data assignments and software engineering skills.

Alshaya Group

Software Engineer

Jul 2019 – Jul 2021

Bangalore, India

- Acquired 50% efficiency boost via error log analysis and mitigated database corruption risk using **SQL Server**.
- Streamlined debugging and executed service enhancements, resulting in a 75% reduction in server downtime.
- Executed thorough code testing with **72% code coverage** and expedited product deployment increasing efficiency.

ACADEMIC PROJECTS

Car Search Application || MongoDB, Python, Javascript, HTML, CSS

Jun 2023

- Implemented a car search application using MongoDB and FastAPI.
- Users can search for cars based on manufacturer or location within a 5km radius.
- Completed data cleaning, database loading, image extraction, and index creation for optimized search.

Organic Health Beverage (Hackathon Project) || Angular, Node.js, Figma

Aug 2022

- Developed a website promoting customizable organic health drink options for **Constellation Brand** company as part of the WiC Hackathon Event '22.
- Achieved second position in delivering innovative solution.

Language Classifier || Python, MongoDB

Jun 2022

- Attained 96.8% accuracy in English/Dutch sentence classification utilizing Decision Tree and Adaboost algorithms on a training dataset of 25,000 Wikipedia entries.
- Estimated the optimal path based on the cost function, heuristic function and terrain factor.