SHREYA PRAMOD

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EXPERIENCE

Amazon Web Services (AWS) — *Software Development Engineer Intern* · Jan 2023 - May 2023 · Seattle, WA

- Amplified Bulk Import job efficiency by **20X** and enhanced **AWS S3** object processing capability.
- Elevated code quality by securing a **62% test coverage** through focused **in-memory** and **unit testing**.
- Achieved **99.6% performance uplift** over 4 months with the integration of AWS cloud services including S3, **DynamoDB**, and **AWS CloudTrail** via **Java SDK**.
- Streamlined AWS test environment with **AWS CloudWatch**, refining performance metrics with sample customer data.
- Boosted **DataPlane utilization by 90%** by orchestrating CI/CD pipeline in an Agile framework.

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 **100+ students**, fostering proficiency in **Big Data** assignments and software engineering skills.

Alshaya Group — *Software Engineer* · Jul 2019 – Jul 2021 · Bangalore, India

- Accomplished **50% efficiency boost** via error log analysis and mitigated database corruption risk using a relational database, **SQL Server**, enhancing customer experience.
- 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

- Architected a high-performance Car Search Application using **FastAPI**, Python, and **MongoDB**.
- **Optimized** location-based queries by **75%** by implementing geospatial algorithms, achieving sub-second response times
- Developed front-end **UI/UX** with **JavaScript**, **HTML**, and **CSS**, yielding a **30% uptick** in search efficiency.

Organic Health Beverage (Hackathon Project) || Angular, Node.js, Figma · Aug 2022

- Devised a responsive web application using **Angular** and **Node.js** to promote customizable organic health drinks.
- Deployed an intuitive UI using **Figma**, enhancing the user experience, securing **second place** in the WIC coding competition.

Language Classifier || Python, MongoDB · Jun 2022

- Developed a mathematical model to classify English/Dutch sentences.
- Implemented ML algorithms, specifically Decision Tree and Adaboost, using Python, to achieve **96.8% accuracy**.
- Leveraged **NoSQL**s MongoDB-based framework to manage a training dataset comprising 25,000 Wikipedia entries.

TECHNICAL SKILLS

Language: Java, Python, C++, SQL, HTML, CSS, MATLAB, XML, Javascript
Database: Amazon DynamoDB, Microsoft SQL Server, PostgreSQL, MongoDB, Neo4j
Operating System: Oracle SQL Developer, Git, Linux, macOS
Framework & Tools: Guice, JUnit 5, Mockito, NumPy, Pandas, Scikit-Learn, Matplotlib, Seaborn, FastAPI, Shell

EDUCATION

Master of Science in Computer Science · Aug 2021 – May 2024
Rochester Institute of Technology · Rochester, NY
Courses: Object-Oriented programming, Big Data, Artificial Intelligence, Machine Learning, Data Structures & Algorithms, NoSQL Data Management, Cloud Computing, Data Security

Bachelor of Technology in Electronics & Communication · Aug 2015 – May 2019
Visvesvaraya National Institute of Technology · Nagpur, India

ACHIEVEMENTS

Working on the publication of a paper on Digital Chain of Custody for submission to **IEEE ICHI 2024**

Amplified career growth at **Grace Hopper Celebration 2023**, acquiring key industry insights