Sheetal Rani Prasad

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PROFESSIONAL EXPERIENCE

Amazon Web Services — Seattle, WA, USA
Software Development Engineer — *March 2024 - Present*
- Developing a system for the credential distribution and management resulting in reducing overhead on the system and users
- Participated in Agile Software Development activities and code reviews to maintain code quality and test coverage above 80%

San Diego State University Library — San Diego, CA, USA
Student Assistant — *April 2022 – December 2023*
- Refactored web application as a **full-stack developer** to improve performance using **NodeJS, ReactJS, and MySQL** for University Library to manage metadata records of library's e-collections
- Created automation script using **Python, Selenium, and Open-Refine**, reducing manual work by 90% of metadata refining for faculty guide

Amazon Web Services — Seattle, WA, USA
Software Development Engineer Intern — *May 2023 - August 2023*
- Deep Dived into the existing code-base impacting 35% of data, to design a system for the cleanup of data in **DynamoDB** resulting in reducing overhead on the system and users using **Java** and **Spring framework**
- Developed and implemented code for record deletion, enhancing user experience and providing real-time alerts for successful deletions which closed 2 user tickets without team intervention using **JavaScript**

ConnectWise — Pune, MH, India
Software Engineer 2 — *September 2020 - December 2021*
- Implemented 20+ **Restful APIs** for a ticketing system, demonstrating expertise in **Object-oriented Design, Go, and PostgreSQL** to improve system functionality
- Conducted comprehensive code reviews, repository management and deployment utilizing Git in **GitLab, Docker**, CI/CD pipelines, ensuring adherence to coding standards, enhancing code quality and maintain code coverage for testing above 95%

Capco Technologies — Pune, MH, India
Consultant — *August 2017 - September 2020*
- Revamped the approval process and streamlined the notification system resulting in the elimination of manual interventions and a 30% reduction in processing time
- **Collaborated** with developers, testers, and product owners in a **cross-functional team** distributed globally across 4 regions to deliver new features following **Agile software engineering practices**

EDUCATION

San Diego State University — San Diego, CA, USA
Master of Science, Computer Science

University of Pune — Pune, MH, India
Bachelor of Engineering, Information Technology

PROJECTS

Natural Language Processing - *How the War in Ukraine is Affecting the Predictability of the Energy Stock Market*
Explored the effects of the war in Ukraine on the energy market to see if the information would assist in predicting price movements. Conducted topic modeling and sentiment analysis on the Twitter data with 315,667 tweets using Latent Derelict Allocation and a Twitter pre-trained ro-BERTa model using Python, Pandas and NLTK

SKILLS

- Programming Languages and Frameworks: Python, Golang (Go), Java, JavaScript, Spring, Django, HTML, CSS
- Tools and Technologies: AWS, Docker, Git, CI/CD, GitHub, Jira, Kafka, POSTMAN
- Databases: RDBMS, SQL, MySQL, PostgreSQL, NoSQL, MongoDB, AWS DynamoDB
- Machine Learning and Data Analysis: NumPy, Pandas, SciPy, PyTorch, Scikit-learn, Natural Language Processing (NLP)
- Microservices Architecture, RESTful APIs, Agile, Scrum, Data Structures, Algorithms

ACCOMPLISHMENTS

- Delivered Virtual Presentation at LD4 Conference 2022, unveiling the "Automated Wikidata Project" with Python and Wikibot for Faculty Profile optimization.
- Showcased at Electronic Resources & Libraries (ER&L) Conference 2024 with a concise talk on "E-resources Information Management Solution," introducing an Information Hub for E-resource data management.