

Sheetal Rani Prasad

San Diego, CA • (619)-214-7296 • sheetalraniprasad@gmail.com
www.linkedin.com/in/sheetalrprasad • www.github.com/sheetalrprasad

EDUCATION

- **Masters in Computer Science** at San Diego State University San Diego, USA
Courses: Machine Learning, Big Data Tools, Data Science, Algorithms Designs 2023

RELEVANT PROJECTS

- Developed various **prediction models** that classified 200,000 space objects as stars, galaxies, and quasars, by employing **supervised machine learning algorithms** such as **SVM**, **KNN**, and **RandomForest** to **analyze big data**, and compare accuracies
- An **NLP** project: conducted **topic modeling** and **sentiment analysis** on 315,600 tweets with **Latent Derelict Allocation** and a pre-trained **BERT model** - roBERTa to investigate the impact of the Ukraine war on the energy market
- Developed a **Python** web app to automate the creation of 700 professor profiles in Wikidata utilizing **Numpy**, **Pandas**, and Django resulting in a 25% improvement in the **data processing** efficiency of the institutional repository

WORK EXPERIENCE

SDE Intern at Amazon Web Services (AWS) Seattle, USA
May 2023 – Present

- Designed a system in AWS for the cleanup of existing data in DynamoDB resulting in reducing the overhead on the system used by 20 AWS internal services
- Developed and took ownership of the end-to-end system with frontend in ReactJS and backend in Java

Student Assistant at San Diego State University San Diego, USA
April 2022 – May 2023

- Revised a web application using NodeJS, React, and MySQL for University Library to access and modify about 300 metadata records for digital collections
- Created automation script using **Python** and Selenium and OpenRefine for **data extraction, and transformation** reducing 90% of manual work
- Delivered a Presentation on “Automated Wikidata Project: using Python and Wikibot to Build and Update Faculty Profiles in Wikidata” at the 2022 LD4 Conference on Linked Data

Software Engineer-2 at ConnectWise Pune, IN
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
- Led a pilot project to build the front end for 10 microservices with **React**, optimizing the user interface for seamless interaction
- Cultivated a positive work environment by organizing and executing team-building activities and events for a team of 16

Consultant at Capco Technologies Pune, IN
August 2017 – September 2020

- Re-engineered the Client Onboarding app using the Java-based platform - Appway, leading to its successful release in 3 countries
- Revamped the approval process and streamlined the notification system resulting in the elimination of manual interventions and a 30% reduction in processing time

SKILLS

- Python, Golang, Java, ReactJS, NodeJS, Django
- SQL, MySQL, PostgreSQL, NoSQL, MongoDB, DynamoDB, Cassandra
- Docker, Git, CI/CD, AWS, Linux, GitHub, Jira, Confluence, Kafka, Postman
- Machine Learning, Data Analysis, SciPy, Matplotlib, Streamlit, PyTorch, Sklearn, NLTK
- Data Structures, Algorithms, Cloud Computing, Microservices Architecture, RESTful APIs, Agile, Scrum