Pravalli Budida

pravalli.lella@gmail.com| https://www.linkedin.com/in/pravalli-lella/ | Bellevue, WA

PROFESSIONAL EXPERIENCE

Seattle University   Seattle, WA
Research Assistant   Jun 2024- Present
- Conducted comprehensive data analysis on health-related datasets to investigate the impact of industrial chemicals on lung diseases. Mentored online students on using various analysis techniques.

Keypoint Technologies   Hyderabad, India
Software Engineer   May 2022- April 2023
- Designed and implemented a PostgreSQL database from inception for an education technology platform with 5000+ users and integrated Node.js APIs with web and mobile applications.
- Expertise in leveraging PostgreSQL triggers for generating extensive performance analytics.
- Implemented several features in a multilingual chatbot using custom NLP/NLU models to automate responses to common issues, improving communication and customer experience.
- Developed complex web applications using React, Angular and integrated them with REST APIs.
- Skilled in utilizing AWS, Jenkins, Git, and Docker to set up CI/CD pipelines and seamlessly deploy microservices.
- Day-to-day responsibilities include code reviews, debugging, deployments and mentoring interns.

Polaris Consulting Services Ltd   Hyderabad, India
Associate Software Engineer   Aug 2015- Jan 2017
- Developed and optimized Oracle PL/SQL procedures to enhance invoice generation accuracy for Citibank Trust.
- Conducted extensive unit tests to validate bug fixes and new features.

PROJECTS

Collaborative Filtering Recommendation Engine- Implemented using Apache Spark to provide personalized movie recommendations based on given user ratings. (Spark, Python, AWS, Docker)
Amazon Ads Project - Developed a model for optimal audience targeting strategy to maximize impressions for advertisers and created insightful visualizations. (Python, Tableau, ML modeling).
Airport-Airlines Choice Model - Generated comprehensive profiles of airport and airline choices based on user travel data and various regression methods. (Python, R, ML models)
Personal Chat Assistant - Developed an automated e-learning AI workflow using Generative AI APIs (Claude).

EDUCATION

Seattle University   Seattle, WA
Master of Science in Business Analytics (GPA: 3.9)   Sep 2023-Present
Relevant Courses: Statistical Modeling, Data Wrangling and Visualization, Machine Learning, Big Data
Awards: Dean's Honor List – Fall Quarter 2023

Scaler Academy   Remote
Computer Science fundamentals, Data Structures and Algorithms, System Design   Mar 2022 – Present

SKILLS

Languages: Java, Python, JavaScript, Typescript, R, HTML, CSS
Frameworks: Node.js, Express.js, React, Angular, Apache Spark
Databases: SQL, PL/SQL, Postgres, NoSQL, MongoDB
Tools: AWS, ETL, Git, Docker, NGINX, Jenkins, Jira, Linux, Jupyter, Tableau, Microsoft Office
Concepts: Agile, Machine Learning, Statistical Modeling, Microservices, Software Engineering, Frontend, Backend