

Pravalli Budida

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PROFESSIONAL EXPERIENCE

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| Seattle University
Research Assistant | Seattle, WA
Jun 2024- Present |
| <ul style="list-style-type: none">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
Software Engineer | Hyderabad, India
May 2022- April 2023 |
| <ul style="list-style-type: none">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
Associate Software Engineer | Hyderabad, India
Aug 2015- Jan 2017 |
| <ul style="list-style-type: none">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

Inventory Tracker (Image recognition, GenAI)- Capture the product in camera, classify image and update inventory.
QuizTube App (AI Agent, LLM Tools)- Quizzes based on Youtube url provided; explains and evaluates user's answers.
Task Master (Langchain, openai) - Prioritizes tasks, allocates time, schedules breaks, gives motivational quotes.
Amazon Ads Project - Developed a model for optimal audience targeting strategy to maximize impressions for advertisers and created insightful visualizations. (Python, R, Tableau, ML modeling).

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, Next.js, Angular, Apache Spark
Databases: SQL, PL/SQL, Postgres, NoSQL, MongoDB, Firebase
Tools: AWS, ETL, Git, Docker, NGINX, Jenkins, Jira, Linux, Jupyter, Tableau, Microsoft Office
Concepts: Agile, Machine Learning, Statistical Modeling, Microservices, Software Engineering, Frontend, Backend