Pravalli Budida

Portfolio Website: https://pravs-mystic.github.io

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RELEVANT EXPERIENCE

Headstarter AI — Remote
Software Engineering Fellow — July 2024- Sep 2024
- Built and deployed 5 AI projects in 5 weeks using concepts like LLMs, RAG, Vector DB (Pinecone, pgvector), OpenAI and Langchain following agile methodologies with weekly sprints and incorporated CI/CD practices for iterative deployment
- Founded BlueStraw, an AI chat app where users can interact with their documents using custom tools and integrations and get personalized responses

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 to automate updates across tables and generate extensive performance analytics.
- Implemented several features in a multilingual chatbot using custom NLP/NLU models to automate responses to common issues, improving client-agent communication and customer experience
- Developed complex web applications using React, Angular and integrated them with REST APIs
- Skilled in leveraging AWS, Jenkins, Git, and Docker to set up CI/CD pipelines and seamlessly deploy microservices
- Day-to-day responsibilities included code reviews, debugging, deployments and mentoring interns

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

ADITIONAL EXPERIENCE

Seattle University — Seattle, WA
Research Assistant — Jun 2024- Sep 2024
- Revamped the Database Management Systems (DBMS) curriculum, to elevate student engagement and mastery of concepts
- Identified correlations and investigated the impact of industrial chemicals on lung diseases through comprehensive analysis of health-related datasets

PROJECT EXPERIENCE

- **QuizTube App** (AI Agent, LLM Tools, Python)- Quizzes based on Youtube url provided; explains and evaluates user's answers
- **Task Master** (Langchain, openai) - An app that prioritizes tasks, allocates time, schedules breaks, gives motivational quotes
- **Amazon Ads Project** (Python, ML)– Modeled optimal audience targeting strategy to maximize impressions for advertisers

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 of Academic Excellence

Scaler Academy — Remote
Courses: Computer Science fundamentals, Data Structures, 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/Concepts: AWS, ETL, Git, Docker, NGINX, Jenkins, Jira, Vercel, Stripe, Clerk, Linux, Jupyter, Tableau, Agile, Microservices, Machine Learning Models, Statistical Analysis, Problem Solving, Communication Skills, SDLC, Scrum
Generative AI Stack: LLMs, RAG, Vector DB, Pinecone, pgvector, Langchain, LLM Tools