Manjesh Prasad

manjeshprasad21@gmail.com | (510) 209-8921| San Francisco, CA
| github.com/Jay-tech456 | linkedin.com/in/manjesh-prasad

Professional Experience

Full-Stack AI Software Engineer | Kismet XYZ | San Francisco, CA | February 2024 - Present
- Collaborated with Kismet's newly formed Software Engineering team post-acquisition of Foodiebot Agent demo to develop a fully custom real-time Extract, Transform, and Load (ETL) dashboard utilizing Figma, AWS, Python, and React; enabling semi-live monitoring of oil, gas, and environmental metrics across industrial sensors.
- Partnered with the hardware engineers, computer scientists, and executives to gather and implement the product requirements based on oil & gas user insights. Strengthen the company's data reporting capabilities, delivering more precise and actionable insights on pressure, temperature, flow rate, and moisture (H_2O) metrics.

Software Engineer | Glocal (Start-up) | Chicago, IL (Remote) | September 2023 - May 2024
- Worked with a cross-functional team to transform the Java-based backend infrastructure from a monolithic to a microservices architecture. Improved scalability by 40%, enabled smoother deployments, increased technical flexibility, and reduced overall maintenance overhead by 30%.

Associate Software Engineer | Infosys Limited | San Francisco, CA | July 2022 - August 2023
- Engineered high-performance network protocols (SOAP, GraphQL, REST) using Spring ORM and OOP concepts for various distributed systems at Fortune 500 companies. Resulted in numerous reduction in service latency by 15% and enhanced backend scalability through seamless CI/CD strategies.
- Automated UI testing using the Page Object Model Architecture, Selenium, Cucumber, Jenkins, exploited Test-Driven Development (TDD) and Behavioral-Driven Development (BDD) methodologies. Resulted in a 30% boost in test coverage and identified 5 defects per sprint iteration during Software Development Lifecycle (SDLC).

Education

Master of Science in Engineering | San Jose State University | San Jose, CA | May 2025
- **Coursework:** Enterprise Software Platform, Systems Engineering, Advanced Data Mining , Machine Learning

Bachelor of Science in Computer Science | CSU, East Bay | Hayward, CA | May 2022
- **Coursework:** Operating System, Computer Network, Data Structures and Algorithms, Web Development

Technical Skills

- **Programming Skills:** Python, C/C++, Java, JavaScript, React, Node, Spring, HTML5/CSS3
- **Database Skills:** MySQL, PostgreSQL, MongoDB, Amazon Web Service (AWS)
- **Additional Skills:** CI/CD, Docker, DevOps, Kubernetes, Pytorch, Pandas, Figma, LangChain, Express, Pinecone

Software Project

FoodieBot - AI Integrated Food Review Agent (MERN, Llama3.1, Pinecone, LangGraph, AWS)
- Collaborated with a highly skilled cross-functional team to engineer the core system for Foodiebot, the first preference-based food recommendation Agent. Integrated Natural Language Processing (NLP) to understand end-user selections, eliminating manual filtering, constructing internal intelligence, and can communicate with external platforms, including Discord, Short-Message Service (SMS), and Email.
- Successfully demoed the early prototype to 5 stakeholders ranging from CEOs, CFOs, and Head Scientists, leading to the startup's acquisition and the formation of the first official Kismet's Software Engineering Team.

OpenD - Next-Gen Web 3.0 E-Commerce Solution (React, Motoko, Internet Computer, Blockchain)
- Engineered a decentralized E-Commerce marketplace on the Internet Computer's blockchain, enabling users to mint, list, and sell Non-Fungible Tokens (NFTs). Developed a custom cryptocurrency token (OAT) to facilitate seamless currency transactions within the platform, enhancing security, scalability, and reliability.

MentorMind – AI-Driven Learning Assistant (Python, LangGraph, Mistral, AI Agent, Pinecone, ToT)
- Coordinated with a team to constructed a personalized and multimodal autonomous tutoring platform that adapts to individual learning styles. Implemented the study channel and Agentic chatbot utilizing Tree-of-Thoughts prompt tuning for multi-step reasoning, dynamic task planning, and step-by-step problem-solving.