

Prarthana Prasad

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Relevant Links: [LinkedIn](#) | [GitHub](#)

Programming Languages: Python, Java, JavaScript, C++, HTML, CSS, SQL

Frameworks: Django, Flask, React, Tensorflow, Keras, PyTorch, scikit-learn, NumPy, pandas, JQuery

Technologies: Git, AWS, PostgreSQL, Redis, OpenSearch, Docker

EDUCATION

California Polytechnic State University, San Luis Obispo

2024-2027

B.S. Computer Science, concentration in Artificial Intelligence & Machine Learning

- Theta Tau(DEI Chair), Deans List

WORK EXPERIENCE

Latitude AI

August 2025- Present

Machine Learning Engineer

Build an instance segmentation model for autonomous driving that detects and segments objects in driving simulations.

Break Through Tech Cornell Tech

AI & ML Internship

May 2025- Present

Goldman Sachs

Possibilities Summit

January 2025 - June 2025

Innocuous AI

December 2022 - January 2024

UI/UX Designer

Remote

- Designed and developed the company's outreach website for gamers.
- Contributed to the pivot and change in the MVP towards the Legal Sector.

SocialTechLabs

June 2022 - September 2022

User Interface Designer

Virtual

- Conducted user research on online behavior and social media challenges among teens, contributing to developing BestFriends' app features to reduce toxicity.
- Designed and built BestFriends' official website, created mockups on Figma, and collaborated with engineers to implement user-friendly solutions
- Developed the "chat lock" feature, enabling users to secure conversations with a PIN to enhance privacy and safety
- Utilized graphic design skills to create customizable planets for users, enhancing personalization and engagement within the app.
- Executed targeted outreach by cold-emailing influencers on TikTok and Instagram to build promotional partnerships and drive app adoption
- Assisted in creating a pitch deck and connecting with Y Combinator, contributing to the finalization of BestFriends' product and securing funding

PROJECTS

FinBot | (Ollama, PostgreSQL, LangChain, Node.js, React, Firebase Auth)

2025

- FinBot is a multi-bank financial aggregator and multi-agent chatbot system that integrates secure connections to multiple accounts, portfolios, and third-party financial data.
- RAG pipelines with specialized fine-tuning on financial documents, statements, and investment research
- Includes a multi-agent architecture (Market Data, Technical Analysis, Fundamentals, Sentiment, Risk, Portfolio) that collaborates in real-time to provide holistic advice.
- Features ML-powered stock prediction models (trend classification, LSTM forecasting, options strategies) for personalized investment insights.
- Delivers a family financial dashboard with goal tracking, diversification analysis, predictive forecasting, news curation, and interactive charts. Empowers users to make data-driven financial decisions with secure authentication, chat memory, and proactive recommendations.

Mental Health Therapist Chatbot | (Ollama, PostgreSQL, AlloyDBOmni, Python, Langchain)

2023

- By integrating RAG with fine-tuning on a specialized dataset, such as over 100 pages of mental health documents, the resulting model can deliver more informed and tailored responses, enhancing its utility in mental health applications
- Analyzes user input to identify emotional states and tailor responses accordingly.
- Delivers personalized and relevant information based on detected emotions, user queries, and chat memory.

Awards

IEEE Women in Engineering International Leadership Summit - Pacific Northwest National Laboratory

2024

James A. & Di-Wen Julie Quan 2024 STEAM Endowed Scholarship

2024

NCWIT Aspirations in Computing High School Award, San Francisco Bay Area Affiliate Winner

2024