

Apoorva Parajuli

Full-Stack Developer

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I am a Full Stack Software Engineer with a strong foundation in computer science and full stack engineering, including optimizing user readability, experience, and accessibility. I am passionate about leveraging AI-enabled technologies and exploring opportunities in modern application development, including machine learning and prompt engineering, to drive innovative solutions.

Education

AI & Machine Learning Certification - Caltech CTME, September 2025

Relevant Coursework: Deep Learning W/ Keras & Tensorflow, Machine Learning, Essentials of Generative AI, Prompt Engineering & ChatGPT

B.S in Computer Science - University of San Francisco, August 2021 - August 2023

Skills

Languages: C, C++, JavaScript, TypeScript, Python, Java, Swift

Frameworks and Libraries: Django, Flask, React.js, Next.js, Node.js, Express.js, PHP, LangChain, LangGraph, LangSmith, Pinecone, Tailwind CSS, Bootstrap, SwiftUI

Other: Unreal Engine, Perforce, git, AWS, Heroku, Vercel, Sentry, nginx, gunicorn, Auth0, PostgreSQL, SQL Server, HTML, CSS, SCSS

Work Experience

Freelance Application Engineer | NCRHUB | August 2023 – Present

- Contracted from June of 2024 to May of 2025 to develop a case tracking system for the AAPI Coalition/Able Community Development Foundation
- AI-enabled case tracking and resource management application for non-profit community support groups to use as an index of resources for prospective clients, and as a CRM to manage data and generate reports
- Utilized LangChain and LangGraph to orchestrate text embeddings of database records using Pinecone and storing of the embedded data in a PineCone vector store, and using the stored context to generate responses given specific queries
- Leveraged Next.js' sophisticated SSR features to develop secure, and efficient CRM application, including taking advantage of ISR to decrease server load, the extended fetch API for caching, data fetching, and data revalidation
- Used Django and Integrated django-admin, rest framework and authentication with permission classes, middleware, throttling, and more to secure API routes and to manage site content efficiently
- Improved application SEO, using tools such as sitemaps, schema.org, search console, robots.txt, and Next.js' built-in metadata feature

Tools Used: Django, Next.js, Groq, LangChain, LangGraph, Pinecone, Sentry, Heroku, Vercel, Auth.js, Django Rest Framework

Full Stack Engineer | Polypinion | April 2024 - October 2024

- Developed an AI-enabled fact checker that facilitated the process of reading through news articles and parsing truth from fiction using OpenAI's LLM and Anthropic's ClaudeAPI LLM
- Developed a dashboard that utilized Google's Analytics API and displayed metrics that allowed admins to view consumer insights including the usage rate of the site and determine the most popular articles, etc. using Chart.js
- Deployed application and resolved various deployment issues caused by web server and application server configuration
- Leveraged SEO optimization tools such as schema.org, google lighthouse, search console, as well as react-helmet to designate unique meta tags for each individual page in the form of a helmet component

Tools Used: Flask, React, SQLAlchemy, OpenAI API, Anthropic ClaudeAPI, AWS, Vercel, Alembic, SwiftUI