

SAMARTH PRAJAPATI

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SUMMARY

Software engineer with 2 years of experience as a full stack developer and a senior Computer Science student. Experience building applications using **.NET(Servlet/JSP/HTML/CSS) Drupal, Python (Django/Flask/REST), ReactJS** and **cloud infrastructure**, as well as developing intelligent tools and services, multi-agents and scalable backend APIs.

EDUCATION

University of Cincinnati

August 2022 - May 2027

Bachelor of Science in Computer Science

WORK EXPERIENCE

Web Developer (Co-op) – Cummins Inc.

January 2024 - July 2024, January 2025 - April 2025

- Led the enhancement of Opigno LMS to better assist the clients', resulting in a lower number of reported user issue by 30%.
- Integrated bpmn.io into drupal to help users create visual diagrams that can be embedded in webpages and LMS.
- Developed 50+ reusable components using Tailwind CSS and Material UI to ensure consistency and responsiveness in UI and UX.
- Created and implemented several Drupal-based solutions that improved both the performance and modularization of websites.
- Utilized Azure DevOps, Git, and CI/CD pipelines while practicing Agile with daily standups and sprint planning
- Worked cross-functionally with content strategists, UX designers, and QA teams to launch a training portal for internal staff

Teaching Assistant (TA) – University of Cincinnati

August 2023 - Present

- Provide academic support to 500+ students through personalized one-to-one sessions to solve doubts and conduct EV3 practicals
- Guided 50+ teams in ethical principles and algorithmic thinking, to ensure efficient project completion.
- Graded assignments and exams, and provided constructive feedback to students, to help improve overall class performance
- Hosted weekly tutoring sessions for students to teach fundamentals of Python, Matlab, LabVIEW to assist with bugs and issues

Software/Web Intern – TOPS Technologies

May 2023 - July 2023

- Collaborated with a cross-functional team to develop a recipe app from concept to completion within a 3-month timeline
- Utilized Django framework to manage user authentication, data storage, automate emails, payment integration via Razor Pay
- Automated wire label processing with Python script, reducing operation time by 60% and boosting team productivity by 30%
- Optimized 25+ Tableau dashboards by migrating to cloud-based data sources, significantly improving data accessibility

PROJECTS

UC DoubtClear – Q&A platform for UC students with AI Integration

June 2025 - Present

- Designed a secure student portal implementing Identity and Access Management (IAM) principles via Supabase RLS (Row Level Security) and Role-Based Access Control
- Developed a responsive frontend in React (Vite) + TailwindCSS with modular components and live question feeds.
- Integrated Langfuse for live prompt tracing, token usage logging, and debugging across GPT-4o agents
- Deployed a GPT-powered assistant with memory and retrieval, enabling 24/7 task updates and dependency risk queries via chat

PDFChat – SaaS AI-Powered PDF Assistant (RAG, Vercel AI SDK)

January 2025 - February 2025

- Deployed a full-stack RAG assistant in Next.js enabling semantic Q&A on uploaded PDFs.
- Implemented secure authentication using Clerk and managed billing integration via Stripe.
- Utilized Vercel AI SDK to route prompts between LLMs (GPT-4, Claude 3) and managed vector storage for fast data retrieval.

AI-Powered News Aggregator – React, Flask, Python, BeautifulSoup, NLTK

November 2024 - December 2024

- Built a full-stack web app to scrape and aggregate news from multiple sources, using NLP to categorize and summarize articles.
- Developed Flask API with BeautifulSoup for real-time scraping and NLTK/Sumy for automated text summarization.
- Designed a responsive React frontend with Axios integration to display categorized news in an intuitive UI.

SKILLS

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

AI/ML: LangChain, LangGraph, RAG, PyTorch, Scikit-learn, HuggingFace, Pandas, NumPy

Frontend: React.js, Next.js, Node.js, Svelte, TailwindCSS, Bootstrap, Figma, UI/UX Design

Backend: .NET (Blazor, MAUI, MVC), Node.js, FastAPI, Prisma, GraphQL, REST APIs, Django, Drupal

Cloud & DevOps: Azure, AWS, Docker, Kubernetes, GitHub Actions, CI/CD, Supabase, Vercel, Jira, Postman

Core Concepts: Identity & Access Management, SDLC, REST APIs, Data Structures, Agile/Scrum