

SAMARTH PRAJAPATI

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Summary

Versatile software engineer skilled in full-stack development, AI/ML engineering, and DevOps. Proven experience building production-ready applications using .NET, Java Spring Boot, Python, React.js, and cloud infrastructure. Passionate about developing intelligent tools, multi-agent systems, and scalable backend APIs.

Education

University of Cincinnati

August 2022 - May 2027

Bachelor of Science in Computer Science

Work Experience

Web Developer (Off-site Co-op) – Cummins Inc.

January 2025 - May 2025

- Spearheaded improvements in Opigno LMS to optimize client learning experiences, reducing user-reported issues by 30%
- Integrated bpmn.io in drupal to demonstrate visual diagrams on webpages and training systems
- Implemented 50+ reusable components using Tailwind CSS, and Material UI for consistent, responsive UI
- Designed and implemented Drupal-based modules, increasing website performance and modularity
- 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

Software GDC Intern – Cummins Inc.

January 2024 - July 2024

- Migrated legacy MVC app from .NET Framework 4 to .NET 7 Core, improving app speed, scalability, and maintainability
- Modernized and launched an internal HR portal across state branches using Razor Pages, Bootstrap, and C#
- Refactored backend logic using Entity Framework Core and LINQ, reducing data fetch times from SQL Server by 50%
- 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

Data Engineering Intern – Future Wellness Group

May 2022 - Aug 2022

- Conducted data preprocessing, feature engineering, and statistical analysis for large-scale healthcare datasets
- Designed and implemented data pipelines and aggregation tools to support ML predictions for chronic health risk factors

Projects

CleverCollab – Multi-Agent AI Assistant for Jira & Project Management

August 2024 - Present

- Designed a multi-agent orchestration platform using CrewAI and Langflow to automate Jira task assignment and load balancing
- Reduced project management workload by 40% by syncing task priorities and skills data across Jira dashboards
- 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-based assistant using Next.js, allowing users to ask semantic questions on uploaded PDFs
- Used Vercel AI SDK to route prompts between models (GPT-4, Claude 3, Mistral) and manage embedded tool usage dynamically
- Embedded documents via HuggingFace Transformers and Supabase vector storage, ensuring fast, relevant chunk retrieval
- Integrated Clerk for auth, Stripe for billing, and Shadcn UI for a polished and responsive frontend

Inventory Manager – Business Management Web Application

May 2024 - June 2024

- Designed and implemented a full-stack business management system using Spring Boot, MySQL, and Thymeleaf
- Built modules for customer, inventory, and order management with real-time data persistence via JPA/Hibernate
- Implemented role-based access control (RBAC) with secure login and session-based authentication for admins and staff
- Configured form validation for CRUD operations, deployed via Spring Tool Suite (STS) using embedded Tomcat

Skills

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

AI/ML: LangChain, LangGraph, CrewAI, RAG, OpenAI, PyTorch, Scikit-learn, HuggingFace, Pandas, NumPy, n8n

Frontend: React.js, Next.js, Svelte, Razor Pages, TailwindCSS, Bootstrap, Figma, UI, UX Design

Backend: .NET (Blazor, MAUI, MVC), Spring Boot, Node.js, FastAPI, Prisma, GraphQL, REST APIs, JWT, OAuth2

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