

DAKSH PRAJAPATI

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Skills

Programming Languages: Python, C, C++, C#, Java, JavaScript, TypeScript, SQL, MATLAB, HTML5, CSS, VBA
Data Science & ML: Pandas, NumPy, PyTorch, Scikit, Matplotlib, MongoDB, Jupyter Lab, LangChain, Tableau, RAG
Cloud & DevOps: Azure, GCP, AWS (EC2 & S3), Docker, Kubernetes, Git, Power Platform, DevOps, Agile, Jira
Web Development: Next, React, Node, Svelte, MAUI, Blazor, GraphQL, bUnit, TailwindCSS, Figma, RESTful APIs

Work Experience

Software Engineering Intern - Cincinnati Children's Hospital

Aug 2023 - Aug 2024

- Developed a cross-platform mobile application using .NET MAUI and Blazor, reducing development time by 25% through reusable code across Android and iOS platforms, while providing a unified, responsive, and multilingual UI
- Designed and refactored 50+ reusable Blazor and React components leveraging Material UI, GraphQL, and Strapi CMS, enhancing front-end functionality and streamlining workflows for content management to enable real-time updates
- Amplified unit test coverage by 40% using bUnit, conducting rigorous testing to ensure application reliability and minimize post-deployment defects
- Demonstrated exceptional multitasking skills by simultaneously contributing to two agile development teams (Caren and Acushift), delivering high-impact features ahead of deadlines while balancing competing priorities

Systems Engineering Intern - Schneider Electric

January 2023 - May 2023

- Led the migration of an MVC project from .NET4 to .NET7 Core, enhancing application performance and scalability
- Launched a company-wide internal website tool for managing temporary employee details, streamlining processes across all Ohio state branches and reducing data retrieval time by 50%
- Utilized Entity Framework and LINQ Queries to resolve complex database relationships and conducted extensive code refactoring, improving code efficiency and reducing technical debt
- Automated wire label sorting processes with VBA macros, leading to a 50% reduction in operation time and increasing team productivity by 30%
- Managed and optimized 25+ Tableau dashboards, successfully migrating local data sources to cloud-based solutions, significantly improving data accessibility and enhancing cross-team collaboration

Data Engineering Intern - Future Wellness Group

May 2022 - August 2022

- Conducted data preprocessing, feature engineering, and statistical analysis based on demographics for healthcare databases, optimizing the predictions and reliability of ML models for chronic diseases and mental health conditions
- Designed and implemented data manipulation protocols for a dataset of over 500,000 patient records

Projects

CleverCollab – AI Agent and NLP Based Jira Chatbot

- Devised an autonomous AI-driven assistant that integrates with Jira via RESTful APIs to analyze employees' skills and availability, optimize task allocation, reducing workload for project managers by 40%
- Integrated an NLP-powered chatbot using OpenAI's GPT-4o, allowing project managers to query real-time project insights, predict bottlenecks and delays, and mitigate potential risks

SaaS PDFChat Application with AI Integration

- Engineered a full-stack SaaS application using Next.js, integrating Retrieval-Augmented Generation (RAG) to power an AI-driven assistant that allows users to chat with PDFs, enabling accurate, context-aware document comprehension
- Implemented robust authentication with Clerk and protected file storage using Supabase, ensuring controlled access, and seamless document retrieval for enhanced data security
- Integrated Stripe for subscription management and deployed the platform on Vercel, achieving 99.9% uptime, while delivering a sleek, accessible UI with ShadCN component library

Video Interview Platform

- Architected a real-time video interview platform with Next.js, TypeScript, and Convex, introducing screen sharing, live coding assessments, and automated recordings to eliminate scheduling conflicts
- Enhanced candidate experience by integrating structured interview question sections and secure authentication with Clerk
- Boosted performance and SEO using Next.js Server Components, Server Actions, and dynamic routing, while leveraging Convex's real-time updates and caching for instant data synchronization

Education

University of Cincinnati

Bachelor of Science in Computer Science

Apr 2025

GPA: 3.9/4.0