Pathik Sangani

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EDUCATION

UNIVERSITY OF ILLINOIS AT CHICAGO　　　　　　　　　　　　　　Expected Graduation Date: May 2026
Bachelor of Science in Computer Science　　　　　　　　　　　　　　　　　　　　　　GPA: 3.8/4
Coursework: Data Structures and Algorithms, Machine Organization, Languages and Automata, Object Oriented Programming

WORK EXPERIENCE

INCOMING SOFTWARE DEVELOPER INTERN　　　　　　　　　　　　　　　　　Oak Brook, IL
Legacy Agency Insurance　　　　　　　　　　　　　　　　　　　　　　　Jan 2025 – April 2025

MACHINE LEARNING INTERN　　　　　　　　　　　　　　　　　　　　　　　　Remote
Go2Cod　　　　　　　　　　　　　　　　　　　　　　　　　　　　Oct 2024 – Nov 2024
- Built a **Stock Price Predictor** using **Python**, **TensorFlow**, **Flask** and **Jupyter Notebook** to forecast prices for stocks like Google and Bitcoin, with an Android app and web app for data visualization.([Github](#))
- Developed a **Movie Recommendation System** using **Python, pandas**, **scikit-learn**, and **Jupyter Notebook** to recommend movies through content-based, collaborative filtering, and popularity-based methods.([Github](#))

SOFTWARE ENGINEER INTERN　　　　　　　　　　　　　　　　　　　　　　Remote
Super Purposes　　　　　　　　　　　　　　　　　　　　　　　Aug 2024 – Nov 2024
- Designed and implemented user-friendly interfaces for multiple web applications using **C#**, **.NET**, **React** and **JavaScript** resulting in a **20% increase** in user engagement.
- Developed and automated the email notification system for course purchases using **Python** and third-party **APIs**, improving customer response time by **30%.**
- Optimized **SQL** queries, reducing database retrieval time by **25%** and improving data efficiency while minimizing server load.

SOFTWARE ENGINEER FELLOW　　　　　　　　　　　　　　　　　　　　　　Hybrid
Headstarter AI　　　　　　　　　　　　　　　　　　　　　　　May 2024 – Aug 2024
- Built 5+ AI apps and APIs using **NextJS**, **OpenAI**, **StripeAPI** with **98%** accuracy as seen by **1000+** users.
- Coached by Amazon, Bloomberg and Capital One engineers on **Agile**, **CI/CD**, **Git** and **Microservice Patterns.**
- Designed flexible, scalable **API** components based on **REST** architecture, improving system interoperability across services and reducing development time by **20%.**

PROJECTS

CleverDeck - AI FlashCard Application　　　　　　　　　　　　　　　[Website](#) | [Github](#)
- Engineered ClerkDeck, a scalable SaaS platform with **Next.js**, **TypeScript**, **Firebase**, **OpenAI**, **NextAuth** and **Stripe,** improving content generation efficiency by 30% for 100+ users with secure authentication and streamlined payments.

Nexx - FeedBack Widget Application　　　　　　　　　　　　　　　　[Website](#) | [Github](#)
- Created Nexx, a full-stack SaaS app for feedback management using **React.js**, **TypeScript**, **PostgreSQL** and **Stripe**, which scaled to **100+** active users with **95%** user satisfaction.
- Built a secure admin dashboard with **Shadcn UI** and **Clerk** for user management and mobile responsiveness.

AI Text Summarization Application　　　　　　　　　　　　　　　　　[Website](#) **|** [Github](#)
- Built and deployed a full-stack application on Replit using **Node.js**, **Express.js** and **Javascript** integrating real-world APIs like the **Hugging Face Inference API** for AI-powered text summarization through **Postman**-generated code.

SAPI - AI Voice Assistant | Python, gTTS　　　　　　　　　　　　　　　　　　[Github](#)
- Developed an AI-powered voice assistant in Python using Google Speech Recognition API and gTTS, enhancing task automation and improving user efficiency through hands-free voice interaction.

ACTIVITIES AND VOLUNTEERING

TECH LEAD AT ACM - UIC　　　　　　　　　　　　　　　　　　　Aug 2024 – Present
- Conducted workshops for 15+ students on building projects, covering tools and technologies such as **AWS** and **Postman.**

LEARNING ASSISTANT - UIC　　　　　　　　　　　　　　　　　　Jan 2024 - April 2024
- Teaching Around **30+** students in different areas including High-Level **Math**, **Programming** and Sciences.

SKILLS

Programming Languages: Python, JavaScript, Java, C++, C#, SQL, TypeScript , HTML , CSS
Frameworks: React.JS, Next.JS, .NET, SpringBoot, Node.JS, Express.JS, MongoDB, PostgreSQL, Firebase, Tailwind CSS
Developer Tools: AWS, Postman, Restful API, Kubernetes, Azure, Docker, CI/CD, Linux, Git, Github, OpenAI