

SYED TAHA

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PROFESSIONAL SUMMARY

Skilled software engineer with a background in AI and neural networks, skilled in developing and implementing AI models using Python. Experienced in creating custom neural network architectures and GANs, with a focus on computer vision applications. Demonstrated ability to solve complex problems and contribute to open-source projects.

TECHNICAL SKILLS

Languages C++, Python, Bash, JavaScript

Tools & Libraries TensorFlow, Jupyter Notebooks, React, Next.js, MUI, Firebase, OpenAI API, Pinecone, Vercel.

EXPERIENCE

Software Engineering Fellow

July 2024 - Present

Headstarter AI

Remote

- Built and deployed 5 AI projects in 5 weeks using React JS, Next.js, Firebase, Clerk, and Vercel, following agile methodologies with weekly sprints and incorporated CI/CD practices for iterative deployment.
- Worked in a team of 3 to develop an interactive customer support agent using Next.js, integrated a custom RAG pipeline using OpenAI and Pinecone that responds based on a company's knowledge base.
- Collaborated with 3 Fellows to build and deploy a SaaS product that generates dynamic flashcards based on any topic using the Gpt4o via the OpenAI API.
- Implemented an AI based Teacher Review website, for IBA, which got 300 People on the waitlist in two days.
- Scaled each web-app to 200+ users, iterated on user feedback to make continuous optimizations.
- Participate in weekly sessions with engineers from Google, Y Combinator, Stanford, Amazon and venture-backed startups.

Teaching Assistant

August 2024 - Present

Institute of Business Administration, Karachi

On-site

PROJECTS

- PantryPal: A pantry management tool with AI-based recipe suggestions from items in the pantry.
 - Technologies: React, Next.js, MUI, Firebase, OpenAI API, Vercel.
- CodeBuddy: An AI-based chatbot designed to assist with C++ programming, utilizing
 - Technologies: React, Next.js, MUI, Firebase, OpenAI API, Pinecone, RAG, Vercel.
- FacultyInsight: A platform providing IBA students with teacher reviews and helping instructors receive feedback to foster a better learning environment.
 - Technologies: React, Next.js, MUI, Firebase, OpenAI API, Vercel.

EDUCATION

Bachelor of Science, Computer Science, Institute of Business Administration (IBA), Karachi, Sindh
Expected May 2027