

## SYED TAHA

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### PROFESSIONAL SUMMARY

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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

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**Languages** C++, Python, Bash, JavaScript

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

### EXPERIENCE

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#### Teaching Assistant

*Institute of Business Administration, Karachi*

August 2024 - Present

*On-site*

#### Executive Council – Program Design

*Data Science Society, IBA Karachi*

September 2024 - Present

*Hybrid*

#### Software Engineering Fellow

*Headstarter AI*

July 2024 - September 2024

*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.

### PROJECTS

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- **PantryPal:** A pantry management tool with AI-based recipe suggestions from items in the pantry.
  - Technologies: React, Next.js, MUI, Firebase, OpenAI API, 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

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