Aseef Durrani

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Professional Summary

Senior Majoring in ECE concentrating in Computer Engineering, fueled by a mindset that welcomes challenges and seeks discomfort. Eager to expand my skills, I'm looking to contribute to innovative solutions in a progressive tech environment

Education

Rutgers University   Expected May 2025
B.S. in Electrical and Computer Engineering   *New Brunswick, NJ*
- **GPA: 3.6** | Dean's List Fall 2022, Spring 2023, Fall 2024, Spring 2024
- **Relevant Coursework:** Data Structures & Algorithms, Computer Architecture, Machine Learning, Embedded Systems, Software Engineering, Principles of Electrical Engineering

Experience

Software Engineer (AI & Backend Intern)   Sep 2024 – Present
Mynd   *Remote*
- Spearheaded the development of RAG Pipelines to provide personalized tips and resources for therapists to send to clients post-therapy, enhancing client support.
- Leveraged AI to automate the creation of intake forms for therapists, streamlining the onboarding process for new clients.
- Developed and maintained backend endpoints in Django to support AI-driven features, integrating with a tech stack consisting of React, Chakra, and TypeScript on the front end.

Software Engineer (Full-Stack Intern)   June 2024 – July 2024
Elavize   *New York, NY*
- Developed and maintained a full-stack application for job seekers using Next.js, DaisyUI (Tailwind), TypeScript, Node.js, and MongoDB.
- Built an internal tool for the team to access and edit the knowledge base directly within the platform, streamlining operations and improving team efficiency.
- Engaged in a client-facing role by gathering valuable feedback and insights from potential clients, contributing to platform development while adapting to the fast-paced, dynamic challenges of a startup environment.

Software Engineer (Fellowship)   Jan 2023 – May 2023
Headstarter AI   *Remote*
- Built 5+ AI apps utilizing technologies like Next.js, OpenAI API, Stripe API, Pinecone, Firebase, and Node, culminating in a final project aiming to ship to 1000+ users.
- Developed projects from design to deployment leading 3 other engineering fellows using MVC design patterns.
- Coached by Google, Amazon, and Bloomberg engineers on Agile, CI/CD, Git, and microservice patterns.

Projects

Resolved | *NextJS, Flask, Pinecone, Langchain, PostgreSQL, Docker*
- Engineered a multimodal customer complaint analysis platform for a fintech startup; integrated AssemblyAI, Google Cloud APIs, and OpenAI, resulting in efficient processing times for customer inquiries.
- Designed a RAG Pipeline to smart search over 4,400 Company Complaints, providing accurate and actionable insights to team members for addressing specific issues.

HackRU (Winner) | *Python, Streamlit, AWS EC2*
- Among Top Teams in Health Track from 170 competitors overall. Worked with a team of 2 others to develop a web app to reduce campus gym overcrowding.
- Developed the app in Python, utilizing third-party services like Streamlit API, optimizing for real-time crowd-level updates based on user input. Deployed app on EC2 instance, ensuring scalability and performance.

General Purpose Processor - (GPP) | *VHDL, ZyboZ7 FPGA*
- Designed a general-purpose processor with application-specific instructions for video and keyboard communication, capable of executing GRISC ISA Assembly Code.
- Utilized protocols such as UART to enable serial data communication and VGA Controller to display information.

Technical Skills

Languages: Python, TypeScript, Javascript, C, VHDL
Technologies: NextJS, NodeJS / Express, Django, Flask, MongoDB, Firebase, Pinecone, Linux, Jasmine, Tailwind CSS, SQL
Tools / Libraries: Clerk, Auth0, Google Cloud, AWS, OpenAI, Claude, Langchain, Docker, Kubernetes