Danyal Ahmed

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Software Engineer
A multi-disciplinary engineering candidate with a passion for problem-solving and modularity
Aspiring Software Developer with a strong foundation in front-end technologies and a passion for collaborative, innovative problem-solving. Eager to apply my technical skills and quick learning ability in a dynamic team environment, contributing to impactful enterprise solutions.

Education and Certifications

University of Maryland ◇ College Park, MD
Bachelor of Economics | Minor: Astrophysics | College Park Scholar (Life Sciences), Eagle Scout

Professional Certifications: Google IT Certificate (In Progress)

Technical Skills

- **Programming Languages:** JavaScript, TypeScript, HTML/CSS, SQL, Python, Java, Bash
- **Experience in:** Web Development, Git, Pandas, MySQL, React, Next.js, ThreeJS, Blender
- **Language:** English (Native), Hindi (Native, speaking only)
- **Additional Skills:** Strong foundation in Computer Science principles, quick learner, creative problem-solver

Relevant Experience & Projects

danyalahmed.dev
- Personal website developed using Typescript in React with Next.js, hosted on Vercel, utilizing server-side rendering and static caching to optimize performance
- Designed and implemented custom UI using handpicked palette, ThreeJS, Framer Motion, and TailwindCSS

AI Tic Tac Toe Algorithm – Hosted on Google Cloud
- Designed, wrote, and tested a tic-tac-toe game that includes game modes and interfaces with a custom-written API for an AI opponent that utilizes adversarial search
- Implemented RESTful API in Python via FastAPI endpoints hosted on Google Cloud Run, built using Docker containers, to interface with front end for AI opponent's game moves
- Provided API security measures in the form of Google Cloud rate limiting and API keys required for request headers

Library of Babel Tapes
- Worked with partner to contact and promote artists, as well as price, convert, and distribute cassettes to customers
- Oversaw and organized revenue streams using Shopify and Stripe, as well as the allocation of funds towards inventory, supplies, distribution, and artist compensation

Professional Experience

2018 – Present ◇ **Magoo's Pub & Eatery** (Manager/Bartender)
- Works in a fast-paced environment managing teams of up to 6 employees serving 200+ clients per day
- Designed training processes and onboarding for 20+ new employees
- Completes extensive cash-handling and vendor communication, leading to increased responsibility as keyholder and daily lead management of the restaurant

Summer 2019 ◇ **University of Maryland Chemistry Department** (Organic Chemistry Lab Assistant)
- Assisted graduate chemistry students with various laboratory experiments and projects
- Significantly reduced graduate workload and sped up experimentation rate by drafting detailed reports and analytical summaries of various experiments and projects