MAHIB RAHMAN

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EDUCATION

Adelphi University, Honors College   **Garden City**, New York

B.S. in Computer Science with a Concentration in Cybersecurity — GPA: 4.0   *Graduation: May 2027*

EXPERIENCE

Humana – Software Engineer Intern   May 2025 – Present

Internship
- Reduced accessibility audit time for product teams by 70% by building an AI tool that suggests fixes for screen reader issues using OpenAPI, Puppeteer.js, and AppleScript.
- Enabled 50,000 users to enroll in Medicare Advantage Plans on Humana's Digital Agnostic Shopping Tool by developing responsive UI components and adding accessibility enhancements using Vue.js.
- Optimized inefficient backend logic in Node.js, cutting API response times from 800ms to 450ms.
- Reduced average user authentication time from 120 seconds to 20 seconds for Humana employees and members by creating a Salesforce-based voice authentication proof of concept using Pindrop API.
- Utilized Vue.js, Node.js, Puppeteer.js, Azure DevOps, OpenAPI, Postman, Salesforce, Pindrop API, VoiceOver Utility, AppleScript

Headstarter AI - Software Engineering Fellow   July 2024 – Sept 2024

Internship
- Developed a social advice bot utilizing Pinecone and Open API to deliver personalized advice to over 1000 users.
- Designed a responsive user interface for the advice bot using Material UI and React, enhancing accessibility across all devices.
- Built 5 full-stack applications to demonstrate my expertise in technologies such as Next.js, React, Open API, Stripe API, and Firebase.
- Led team meetings to gather feedback and ensure project milestones were met on schedule.
- Utilized Pinecone, Open API, Stripe API, React, Next.js, Python, JavaScript, HTML, CSS, Material UI, Git Version Control, Vercel, Clerk, Firebase

PROJECTS

Flashcardify   Aug 2024 – Mar 2025
- Built an AI flashcards app that enables students to generate flashcards on any topic without manual input for 200+ users.
- Implemented secure user authentication and authorization using Clerk.
- Set up a payment system using Stripe API to allow users to access premium content.
- Utilized React, Next.js, Material UI, Vercel, Clerk, Stripe API, Open API, Firebase

Customer Support AI Chatbot   July 2024 - Aug 2024
- Created an AI-powered chatbot in a team of three to assist 50+ users with common technical problems or issues.
- Integrated Firebase to support chat history across user sessions.
- Utilized React, Next.js, Material UI, Vercel, Firebase, Open API

Supply Tracker   June 2024 - July 2024
- Developed a web application for users to easily manage and track inventory supplies.
- Incorporated Firebase for data storage and Google Authentication for fine-grained user access.
- Utilized React, Next.js, Material UI, Firebase, Vercel

Bank Simulator   Feb 2024 - May 2024
- Developed a bank simulator using Java to mimic real-world banking operations such as deposits, withdrawals, and transfers.
- Implemented file input and output systems to manage the account information for customers.
- Ensured application correctness by implementing unit tests using JUnit.
- Utilized Java, JUnit

SKILLS

Java, Python, JavaScript, HTML, CSS, Material UI, Git Version Control, Azure DevOps, React, Next.js, Vue.js, Node.js, Open API, Firebase, MySQL, Linux, Web Accessibility, Salesforce, Puppeteer.js, AppleScript, Agile Methodology, Figma