

Adil Irshad Hasan

US Citizen • adilhasan1233@gmail.com • Dallas, TX • adilhasan.me • linkedin.com/in/adil-i-hasan/ • github.com/adilhasan212

EDUCATION

University of Texas at Dallas | *B.S. in Software Engineering*

Expected Graduation: December 2026

- **Relevant courses:** Artificial Intelligence, Database Systems, Software Testing and Quality Assurance, Data Structures and Algorithms, Linux/Unix, Object Oriented Programming in Java, Object Oriented Programming in C++, Discrete Math, Computer Architecture, Probability and Statistics in S.E., Mathematical Foundations of S.E.

EXPERIENCE

Citi | *Software Development Intern*

June 2025 – August 2025

- Automated 130+ test cases in Java using Selenium WebDriver, BDD Cucumber, JUnit, and Jenkins CI, reducing manual QA cycles by ~80% and enabling faster CI/CD releases.
- Wrote documentation to help new team members get their project environment running on their laptops, boosting efficiency for all future onboarding.
- Supported release deployments; executed smoke checks across environments and provided feedback.
- Utilized GitHub Copilot and other AI tools to accelerate boilerplate creation and debugging, improving dev efficiency.

Headstarter AI | *Software Engineer Resident*

July 2024 – September 2024

- Lead a team of 4 software engineering fellows to complete 4 projects before the given deadlines, simulating a real software engineering work environment.
- Built 2 full stack AI projects using technologies like Next.js and Firebase and implementing REST APIs like OpenAI, Clerk, and Stripe.
- Mentored by top software engineers and CEOs of multi-million-dollar startups on how to optimize user experience when building products.

PROJECTS

AI Customer Support Bot | *OpenAI, React, Next.js, Node.js:*

July 2024 – August 2024

- Integrated the OpenAI API to handle natural language processing and generate dynamic responses to user inquiries regarding Headstarter AI.
- Utilized Node.js for backend development to manage API requests and real-time data processing.
- Used Next.js for a simple and visually appealing UI and seamless user functionality.

AI Flashcard Generator | *OpenAI, React, Next.js, Stripe, Clerk, Firebase:*

August 2024 – September 2024

- Integrated Firebase to manage and store user data and flashcard collections efficiently.
- Designed a prompt engineering flow that generated accurate flashcards from user input using GPT-4o mini.
- Conducted 10 trials which resulted in 97% accuracy from the flashcards.
- Used the Stripe API to implement a subscription model with payment integration.
- Implemented the Clerk API to create secure user authentication and account management features.

Pantry Tracker App | *React, Next.js, Node.js, Firebase:*

July 2024

- Used Next.js to develop a seamless item tracking app with simple and appealing UI.
- Implemented a Firebase database for users to keep track of all their items.
- Added functionality by allowing users to add and subtract items as well as edit the quantity or delete the item entirely.

SKILLS

- **Programming Languages:** Python, C/ C++, JavaScript, TypeScript, Java, SQL, C#
- **Frameworks:** Next.js, Spring Boot, Django, React, React Native, Junit, Selenium WebDriver, Cucumber (BDD)
- **Programming Tools:** HTML, CSS, Node.js, Git, GitHub, Visual Studio Code, Visual Studio, Unix/Linux, Docker, Postgres, OpenAI, NoSQL, Jenkins, Bitbucket, Jira
- **Development Methodologies:** Agile, Scrum, Test Driven Development, Behavior Driven Development