

# Hassan Chowdhry

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[HassanChowdhry.live](https://hassanchowdhry.live) | [HassanTree.vercel.app](https://hassantree.vercel.app)

## EDUCATION

### Dalhousie University

Halifax, NS

Bachelor of Computer Science (BCS)

Sep 2022 – May 2026

- **CGPA:** 4.25/4.3
- **Related Coursework:** Data Structures & Algorithms, Systems Programming, Database Systems, Software Development, Web Development, Theory of Computer Science, Data Science, Robotics

### AWS Certified Cloud Practitioner

Jun 2024

Amazon Web Services (AWS)

## EXPERIENCE

### Software Developer Intern

May 2024 – Present

*BOTR Solutions* | Next.js, React, TypeScript, Python, Django, Docker, AWS, Cypress

*Vancouver, BC*

- Revamped the company website with new designs, improving user experience and increasing engagement by 50%.
- Achieved a 40% improvement in SEO ranking through strategic enhancements.
- Automated CI/CD pipelines reducing deployment time by 60% and ensuring scalable, reliable delivery.
- Developed comprehensive end-to-end backend systems for REST APIs, streamlining feature development.

### Teaching Assistant

Sep 2023 – Jan 2024

*Dalhousie University* | JavaScript, HTML/CSS, Figma

*Halifax, NS*

- Boosted student performance by 25% by implementing personalized tutoring strategies.
- Elevated code quality to industry standards by providing constructive feedback on 100+ assignments.
- Assisted in weekly labs for 50+ students, enhancing their practical understanding of front-end concepts.

### Full Stack Developer

May 2023 – Dec 2023

*Upwork* | React, AngularJS, Python, Django, Cypress, Docker, AWS, PostgreSQL

*Halifax, NS*

- Migrated and rewrote a web app, enhancing UI/UX and code quality, resulting in a 20% performance boost.
- Improved test coverage by introducing API and UI end-to-end tests, achieving a 20% reduction in reported issues.
- Optimized RESTful and WebSocket services, increasing unit test coverage from 50% to 90%.

## PROJECTS

### OldBailey AI | *OpenAI, Python*

Jun 2024 – Present

- Developed an AI to assist researchers and historians by providing insights into historical trends, facilitating data analysis, and offering an immersive experience through roleplay.
- Leveraged OpenAI to analyze the Old Bailey dataset, utilizing prompt engineering to create an AI capable of analyzing historic trends, generating tables, and role-playing as people from that era.

### PodText AI | *Next.js, React, TypeScript, OpenAI, Convex, Clerk, TailwindCSS*

Jun 2024 – Jul 2024

- Spearheaded the development of a full-stack web application enabling users to create and publish podcasts using AI voice generation and text-to-speech technology.
- Integrated OpenAI's DALL-E to generate podcast thumbnails, enhancing the visual appeal of user-generated content.
- Developed search algorithms to view top user channels and podcasts, enhancing user engagement.

### Pixis | *React, Node.js, Express.js, TailwindCSS, MySQL, AWS*

Jan 2024 – May 2024

- Designed and developed a full-stack photography-centric application with a masonry-style gallery.
- Designed and implemented a REST API for managing user authentication and information, securing user data.

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, C/C++, Java, TypeScript, SQL, HTML/CSS

**Frameworks:** React, Next.js, SpringBoot, Node.js, Express.js, Django, Vite, AngularJS

**Libraries:** OpenAI, Pandas, NumPy, Matplotlib, SciPy, Three.js, TailwindCSS, JQuery, SASS/SCSS

**DevOps/Cloud:** Docker, Amazon Web Services (AWS), Firebase, Heroku, Vercel, Convex, Clerk

**Developer Tools:** Git, GitHub, GitLab, Postman, Figma, MySQL, PostgreSQL, MongoDB

**Testing:** Cypress, JUnit, Jest, Vitest