

Faizan Naseer

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EDUCATION

University of Toronto

Toronto, ON

Bachelor of Science in Computer Science

Sep. 2021 – Dec. 2025 (Expected)

- **Courses:** Programming, Linear Algebra, Software Design (Java, React, Docker), Numerical Algorithms for Computational Mathematics, Systems Programming (C), DSA (C & Python), Theory of Computation, Computer Organization, Machine Learning (Python), Artificial Intelligence (Python), Databases, Operating Systems
- **Awards:** UofT International Scholar Award, UofT Scholar Award, Dean's List Scholar
- **Certifications:** Deep Learning & Neural Networks (DeepLearning.AI)

EXPERIENCE

Software Engineer Intern

Sep. 2024 – Dec. 2024

Insply

- Spearheaded the development of an **AI-powered application assistant** that delivered personalized, resume-tailored roadmaps through LLM scraping (**Exa**), **boosting application efficiency by 35%** for over 100 users.
- Engineered **robust backend integrations** using **Next.js, Supabase, Clerk, and LangChain**, reducing data retrieval latency by 25% and enabling real-time insights.
- Implemented a **browser automation feature**, similar to **OpenAI operator**, that enabled an **AI agent** to control the browser and autonomously apply to jobs, reducing manual effort by 40%.

Teaching Assistant

May 2024 – Aug. 2024

University of Toronto

- Delivered engaging **Python** programming lessons in both virtual and in-person settings, leading to a **25% improvement in exam and assignment performance among 50+ students**.
- Provided **one-on-one mentoring** to 20+ students, reducing assignment turnaround time by 20% and enhancing problem-solving skills.
- Utilized weekly performance metrics to adjust lesson plans, resulting in a 15% overall boost in course outcomes.

Project Manager

May 2020 – Sep. 2021

Silicon Fen Venture Fund

- Directed the development of 20 youth-led startups by organizing **20+ industry seminars, weekly advising sessions, and mentor networking events**, accelerating startup progress by 40%.
- Secured **\$10,000+** in funding by partnering with 5 schools and local business entities to support student prototyping initiatives.
- Designed a **structured mentorship program** with 15 industry experts, improving prototype success rates by 50%.
- **Coordinated startup teams** of 4-8 members using agile methodologies, enhancing project delivery efficiency by 35%.

PROJECTS

Content Management System | *React, Tailwind, MongoDB, Node, Express, TipTap, JWT, Vercel, Socket.io, REST API*

- Developed a robust **content management system** with integrated authorization, empowering users to effortlessly add, view, modify, and remove content while enabling **real-time collaborative editing**.
- Built an engaging landing page to display editor content in a protective, user-friendly manner.

Degree Design | *Android Studio, Java, Firebase, Git, Jira, JUnit, Mockito*

- Created an Android app that **allows students to generate personalized degree timetables** based on completed and desired courses.
- Engineered an **authentication system** for secure timetable access and an admin panel for managing course information.
- Conducted functionality testing using **JUnit and Mockito** to identify and resolve bugs efficiently, reducing fault rate by 25%.

Android Assist | *Android Studio, Kotlin, Figma, Jira, Git, Android SDK*

- Collaborated in a team of 5 to develop a mobile app for a B2C client that **simplifies access to essential mobile functions for immigrants** through a customized directory.
- Designed wireframes and icon mock-ups with an emphasis on a simplified user experience.
- Utilized **native Android APIs** to create compact versions of system settings, camera, photos, and contact apps.

TECHNICAL SKILLS

Languages: C, Python, Java, R, JavaScript, TypeScript, HTML, CSS, Racket, Haskell, Prolog, PostgreSQL, Kotlin

Frameworks: React, Express, Node, React Native, Next, Vercel AI SDK, LangChain, LangGraph, Exa, CrewAI, Redis

Tools: AWS, MongoDB, Supabase, Clerk, Docker, Jira, Git, Figma, Android Studio, Firebase, Linux, Agile, HuggingFace

Libraries: Pandas, NumPy, Matplotlib, socket.io, scikit-learn, Crawl4AI, PyTorch, Tensorflow, Keras