

Gagandeep Lubana

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EXPERIENCE

- Software Engineer Intern** | PolicyMe - Toronto, ON May, 2025 – Sep, 2026
- Developed an observability overhaul for their **Sentry** error tracking implementation with updated error reporting standards, rolled out user session recreation feature, and scrubbing sensitive PII information, leading to significant increase in observability and error tracking capabilities **impacting over 30+ services**
 - Led the migration of error alert processes from **Sentry** to migrate towards a new team alerting ownership and on-call standard for all teams within the Engineering department
 - Documented the new standards implemented for Sentry initiatives which impacts all engineers, leading to increased visibility of Sentry initiatives and detailed references for engineers
- Vice President of Tech** | UTM Fintech Association - Mississauga, ON Apr 2024 – May 2025
- Designed and architected the club's first website utilizing **ReactJS, TailwindCSS, Redux, MongoDB, JavaScript** allowing for future-proof development and wrote tests verifying user flows using **Jest**
 - Translated **Figma wireframes into reusable React components** that were maintainable
 - Led a team of 5 software developers and designers in collaboration to build the club's first website with a **critical 3 week turnaround**, leading to increased club recognition and branding
- Software Developer Intern** | DriVe Safety and Compliance - Brampton, ON May 2023 – Aug 2023
- Enhanced a full-stack web application to display services and contact information as well as define critical business logic for a truck consulting firm increasing overall client outreach
 - Designed and developed the front-end interface for accessible and efficient use utilizing **ReactJS, Node.js, JavaScript, Express.js** for seamless data management with **MongoDB** specifically used for client informatics
 - Initiated innovative integration of business essentials such as online integration of driver application forms significantly reducing driver on-boarding time by **60%**
- Teaching Assistant** | Best Brains Learning Center - Toronto, ON Mar 2022 – Aug 2022
- Taught **Python** fundamentals to 20+ aspiring learners furthering **STEM** initiative in the community
 - Collaborated with educators to develop effective learning content leading to a tangible increase in learning productivity to reinforce topics like **OOP, DSA, Design Patterns and Agile Development**

EDUCATION

- University of Toronto - Computer Science Specialist, PEY Co-op** Sep 2022-Apr 2027
Honours BSc. Computer Science
Awards: Highest Distinction Entrance Scholarship (+95% Avg), Dean's List Scholar
Relevant Courses: Operating Systems, Information Security, Data Structures & Analysis, Software Design, Systems Programming, Introduction to Software Engineering, Intro to Databases, Theory of Computation, Probability and Statistics, Computer Programming

SKILLS

Languages: JavaScript, TypeScript, HTML, CSS, Python, Java, Assembly, C, C#
Frameworks/Tools: ReactJS, MongoDB, TailwindCSS, Express.js, Redux, Node.js, Django, Selenium, Flask, XML, Firebase, Next.js, FastAPI, MySQL, PostgreSQL, AWS
Developer Tools: Git, GitHub, Mergetool, Postman, Linux, Windows, Android, Vim, VSCode, Bash, CI/CD, OAuth, Cursor, Claude

PROJECTS

- FittingRoom - AI Virtual Try On** | *React, TailwindCSS, MongoDB, Node.js, Express.js, Python, WebRTC* [Link](#)
- Launched a creative web app within 36 hours enabling you to virtually try on clothes from the comfort of your home. Utilized **ReactJS, TailwindCSS, Express.js, MongoDB, and Node.js** for fast and robust development
 - Innovated a model for image segmentation, and a IP-adaptor pipeline for inpainting utilizing **PyTorch**, achieving runner-up for the environmental prize
- TechShop E-commerce** | *MongoDB, Express, React, Node.js, Redux* [Link](#)
- Created an eCommerce application using **ReactJS, MongoDB, Express.js** that allows users to buy tech products from a completely online functional storefront
 - Implemented **RESTful API** standards using Express adhering to the **MVC pattern** to allow for storage of consumer data
 - Integrated **JWT and bCrypt** frameworks for user authentication and authorization use cases