Jacob Mobin

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EDUCATION

Toronto Metropolitan University   Toronto, ON
Bachelor of Science in Computer Science   *Sep. 2024 – Present*
- TMU Taekwondo, Google Developer Group, BYTE Tech Group
- **BYTE Tech Group (Director of Technical Operations)**   *July 2025 – Present*
  Led over **30 student developers** in architecting and deploying a full-stack platform that auto-generates test cases and performs in-depth logic and security audits across diverse codebases with LaTeX based repository reports.

EXPERIENCE

Callings.AI   Jun. 2025 – Present
Software Developer (Part-time, Remote)   *San Mateo, CA*
- Normalized **7M+ job records** from multiple vendors into a unified format for **natural language search**.
- Re-engineered **LLM enrichment pipelines** handling **220K jobs/day**, cutting costs by **433%**.
- Developed **TF-IDF Random Forest** and **BERT** models to fill missing job fields with **94% accuracy**.
- Built an **embedding-based matching system** ranking candidates from **12K+ Contacts**.
- Created **automated benchmarking tools** to evaluate **accuracy, speed, and cost** across LLM providers.

Resumate (StreamlineX)   Feb. 2025 – Present
Software Engineer (Part-time)   *Toronto, ON*
- Developed a **Chrome extension** that uses an **LLM** to generate **job-specific resume rewrites** in one click.
- Built a **Node.js**/**Firebase** backend that parses resumes and **streams LaTeX-styled**, **Base64**-encoded PDFs.
- Designed **Firestore schemas** for user data and integrated **Stripe** for credit-based payments.
- Implemented **Google Sign-In** with **Firebase**, **OAuth**, **JWT**, and **RESTful APIs** to secure access.
- Engineered a comprehensive editor with **ATS keyword highlighting** and **copilot-style editing**.

PROJECTS   JACOBAMOBIN.GITHUB.IO

Ontario Car Meets | *Java, Spring Boot, MySQL, JWT, Google Cloud Platform, Swift, SwiftUI, SwiftData*
- Engineered a robust **Spring Boot** backend with **MySQL** database and **JWT authentication**.
- Deployed backend infrastructure on **Google Cloud Platform** for scalability and reliability.
- Developed an **iOS** app using **SwiftUI** for intuitive UI and smooth user experience.
- Integrated **SwiftData** for seamless local persistence and reactive state management.
- Implemented **real-time location tracking** and **interactive maps** for meet discovery and organization.

Apple Intelligence WatchOS | *Swift, SwiftUI, WatchKit, OpenAI API, Perplexity API*
- Developed a **standalone WatchOS app** enabling **live chats** with **personalizable AI agents**.
- Optimized **real-time speech recognition** and **TTS**, reducing average response time to **2s**.
- Leveraged **Perplexity API** to speed up query handling with near-instant response times.
- Designed an **Apple Intelligence**-like glow effect in **SwiftUI** to improve visual feedback during voice interactions.

SKILLS

Programming & Tools: Java, Python, ASM, C, Swift, JavaScript, HTML/CSS
Frameworks: React, Node.js (Express), TailwindCSS, React Native, SwiftUI, SwiftData
Backend & Cloud: Spring Boot, Flask, MySQL, Google Cloud Platform
Developer Tools: Git & GitHub, VS Code, PyCharm, Jupyter Notebook

Soft Skills: Leadership, Communication, Discipline, Coaching, Mentorship, Organization, Planning
Certifications: Second Degree Black Belt (World Taekwondo Federation, 2021),
Assistant Instructor Coaching Certification (Coaching Association of Canada, 2021)

ACHIEVEMENTS

Coding & Data Science
- **1st Place** out of 300+ students at Solution Hacks @ TMU – Jun. 2025
- Placed **4th** in Robotics for Space Exploration @ University of Toronto – Feb. 2024