Kabir Kumar

Computer Science Student at the University of Toronto

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SKILLS

- Python, Java, Swift (Intermediate)
- Xcode, GIT, Tensorflow experience
- Fast paced learner
- Analytical thinking decision-making
- Communication skills
- Project management

SUMMARY

Passionate Computer Science student with experience in iOS app development,, Generative AI, and multi-tiered systems. Proven ability to solve complex problems, rapidly learn new technologies, and lead projects, as demonstrated through leadership roles and personal projects in aviation and robotics.

EXPERIENCE

iOS & Hardware Development - Recyclobot   *January 2025*

DeltaHacks 11 | McMaster University

- Designed a smart waste management system integrating an Arduino-powered bin with an iOS app to sort waste into recycling, garbage, organics, and glass categories using AI-driven object detection.
- Developed a SwiftUI-based app with real-time waste tracking utilizing Firestore enabling eco-goal setting, leaderboards, and a Generative AI chatbot to educate users and promote sustainable habits.

Java App Development - Talk To a Club   *November 2024 - December 2024*

University of Toronto

- Developed a Java application enabling University of Toronto students to discover, join, and engage with campus clubs on a centralized platform, reducing reliance on scattered social media announcements.
- Engineered the app using CLEAN architecture and SOLID principles, integrating Firebase Firestore for secure real-time data storage, ensuring scalability and maintainable code structure.

iOS App Development - AI Radio Assistant   *June 2024 - August 2024*

Personal project

- Designed and developed an iOS app that generates AI-powered radio communication scripts for general aviation pilots, helping them confidently communicate with ATC.
- Utilized SwiftUI and Swift to build a multi-tiered architecture app and leveraged iPhone's onboard features, such as speech recognition and location services, to prompt users with contextually relevant templates.

EDUCATION

Computer Science Specialist & Statistics Minor   *September 2023 - April 2027*

University of Toronto

Private Pilots License   *September 2022 - March 2025*

Brampton Flight Center