

KARMAN BHATTI

Student

EDUCATION

HIGH SCHOOL Sep 2021 - Jun 2022
Cardinal Ambrozic CSS *Brampton, ON*

OSSD Sep 2022 - Jun 2025
Robert F Hall CSS *Caledon, ON*

Activities and societies: STEM Club Member, Culture South Asian (CSA) Club Grade Representative, CSA Media/AV Representative, Code Club Founder, Green Team, Peer Tutor, Honor Roll Graduate

EXPERIENCE

FTC 16397 - TEAM CO-CAPTAIN Jun 2023 - Jul 2025
First Robotics *Greater Toronto Area, Canada*

- ◆ As co-captain of my robotics team, I've helped lead the design and construction efforts as the CAD and Build Lead, overseeing each subsystem of our robot.
- ◆ In my role, I organize tasks, run team meetings, and seek outreach and sponsorship opportunities, ensuring our team's success both on and off the field.

VOLUNTEER 2015
Various Places of Worship

- ◆ Assisted in organizing events, managing equipment, and supporting community activities
- ◆ Developed strong teamwork and communication skills through interaction with diverse groups

TRAININGS & CERTIFICATIONS

SAP CLOUD APPLICATION PROGRAMMING MODEL Mar 2024
SAP

LARGE LANGUAGE MODELS May 2024
Google

GENERATIVE AI Jun 2024
Google Cloud Skills Boost

SECURITY CISSP Jan 2024
ISC2

COMPUTER HARDWARE Jan 2024
Cisco

CYBERSECURITY Jan 2024
Cisco

RESPONSIBLE AI Jun 2024
Google Cloud Skills Boost

OPERATING SYSTEMS Jan 2024
Cisco

SKILLS

Manufacturing, Autodesk Fusion 360, PCB Design, Cybersecurity, Cloud Programming, Network Engineering, Cilium, Artificial Intelligence, Generative AI, Kubernetes, Computer Hardware, IoT, Operating Systems.

ADDITIONAL INFORMATION

PROJECTS

Volume Mixer IoT Device

Designed and implemented an IoT device for controlling volume levels across multiple devices. Utilized PCB design and integrated with cloud services for remote access.

PROJECTS

Air Quality Monitoring Device

Created an IoT device to monitor air quality using various sensors. The data is collected and analyzed in real-time, providing insights into environmental conditions.

PROJECTS

Arcade Machine

Developed a low-power arcade machine using microcontroller units (MCUs). Focused on optimizing performance and power efficiency to ensure smooth operation on limited hardware.

VOLUNTEERING

Various Places of Worship

- Assisted in organizing events, managing equipment, and supporting community activities
- Developed strong teamwork and communication skills through interaction with diverse groups

LANGUAGES

English (*Native*), Punjabi (*Highly proficient*).