HAARD PATHAK

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EDUCATION

Lakehead University   *Sept 2023 - Present*
Honors Bachelors of Computer Science   CGPA: 3.6/4
Department of Computer Science and Technology

TECHNICAL STRENGTHS

Computer Languages	C/C++, Java, Python, Arduino, Kotlin, HTML, CSS, MySQL, MongoDB, C#, Next.js
Software & Tools	VScode, Intellij, Android Studio, Adobe, AutoCAD, MATLAB, Microsoft Office, PyCharm, MySQL Workbench, BlueJ, Kaggel, Google colab, Tensorflow
Skills	Robotics, Data Analysis, Machine Learning, Web Development

EXPERIENCE

ARIA   *Sept 2023 - Present*
Founder & Team Leader

· Spearheaded the establishment of a 70-member AI & Robotics club at Lakehead University, drafting a mission statement and securing faculty approval.
· Organized weekly brainstorming sessions to align team goals with industry trends (e.g., generative AI applications).
· Recruited members through campus campaigns, achieving around 45% increase in sign-ups within the first month.
· Designing a 6-month roadmap for skill-building workshops (Python for AI, Arduino basics) and collaborative projects to foster technical growth.

TEDxLakeheadU   *Oct 2024 – Sept-2025*
Director of Operations

· Orchestrated end-to-end logistics for a 100+ attendee TEDx event.
· Coordinated installation of AV systems (4K projectors, directional microphones, and live-streaming rigs) for hybrid event capabilities.
· Developed a technical onboarding workflow for speakers, including pre-event testing of slide decks (PowerPoint/Keynote), live demo setups, and audio/video synchronization.
· Resolved real-time tech issues during presentations (e.g., mic feedback, HDMI latency) using a mobile troubleshooting toolkit (audio mixers, backup laptops).

Mobile Klinik   *April 2025 - present*
Product Care Specialist

· Diagnosed, repaired, and maintained smartphones and tablets across iOS and Android platforms.
· Delivered clear, customer-focused service by explaining repair options, costs, and timelines.
· Performed hardware and software troubleshooting, including screen, battery, and system repairs.
· Ensured quality control, accurate documentation, and efficient turnaround for all device repairs.

TEDxLakeheadU   *Sept 2025 – Present*
Project Manager

· Led end-to-end planning and execution of TEDxLakeheadU, coordinating timelines, deliverables, and cross-functional teams.
· Managed communication between organizers, speakers, sponsors, and volunteers to ensure alignment and smooth execution.
· Oversaw budgeting, logistics, and risk management to keep the event on schedule and within scope.
· Fostered a collaborative, team-driven environment while ensuring TEDx brand guidelines and quality standards were met.

RELEVANT COURSES

Core Courses	Other Courses
Data Structures	Basics of Accounting
Discrete Mathematics	Basics of Marketing
Operating Systems	Basic of Organization
Probability and Statistics	Basics of Management
Object Oriented Programming	

LICENCES & CERTIFICATIONS

Supervised Machine Learning Regression and Classification
Deeplearning,AI, Stanford University, Coursera   June 2024

EXTRA–CIRRUCULAR

- **20+ Robotics Projects with LEGO Mindstorm EV3/NXT:**
  - *Designed and programmed 20+ functional robots (e.g., maze-solving bots, automated conveyor belts) using LEGO Mindstorm kits, integrating sensor logic (ultrasonic, gyro) for autonomous navigation*

- **8 Arduino & Raspberry Pi Projects:**
  - *Developed IoT systems (e.g., smart home automation, weather stations) using Arduino Uno and Raspberry Pi 4, coding in Python/C++ for real-time sensor data processing.*
  - *Built a soil moisture monitoring system for urban farming, reducing water waste.*

- **GDSC Hackathon 2023:**

  – *Secured Top 4 (out of 10 teams), where we made a project that promotes environmental sustainability by showcasing a website where people can reuse clothes and gain points and rewards.*

- **DIY Autonomous Drone:**

  – *Engineered a drone with Raspberry Pi, GPS navigation, and Arduino-based obstacle avoidance; installed a camera module for aerial photography and real-time video streaming.*

  – *Actively upgrading hardware: Integrating LiDAR sensors for precision mapping and brushless motors to enhance flight stability and payload capacity.*

- **Roll Ball (Skating):**

  – *Captain of Gujarat's Roll Ball Team (2017–2022): Led team to 3 national championships, mentored 10+ junior players.*