

HAARD PATHAK

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EDUCATION

Lakehead University

Honours Bachelors of Computer Science

Department of Computer Science and Technology

Sept 2023 - Present

CGPA: 3.6/4.0

TECHNICAL STRENGTHS

Languages

C/C++, Java, Python, JavaScript, TypeScript, SQL, HTML/CSS

Frameworks/Web

Next.js, React, Tailwind CSS, Clerk Auth, Node.js, MongoDB, MySQL

Tools/Hardware

Git, VS Code, Android Studio, Arduino, Raspberry Pi, TensorFlow, MATLAB

Key Skills

Web Development, Robotics, Machine Learning, Data Analysis

EXPERIENCE

TEDxLakeheadU

Project Manager

Oct 2024 - Present

Feb 2025 - Present

- Lead cross-functional teams in the end-to-end planning of high-impact events, ensuring seamless execution and technical excellence for 100+ attendees.
- Direct the strategic roadmap for event logistics, aligning marketing, operations, and technical teams to meet organization goals.

Director of Operations

Oct 2024 - Feb 2025

- Orchestrated installation of complex AV infrastructure (4K projection, directional audio, and hybrid live-streaming rigs).
- Developed Standard Operating Procedures for speaker onboarding and automated administrative workflows using Google Workspace.

ARIA (AI & Robotics Club)

Founder & Team Leader

Sept 2023 - Present

- Spearheaded the establishment of a 70-member AI & Robotics club, securing faculty approval and setting a long-term technical roadmap.
- Organizes weekly workshops focusing on generative AI, Arduino fundamentals, and Python-based automation.
- Increased club membership by 45% within the first month through targeted campus marketing and technical recruitment campaigns.

Mobile Klinik

Product Care Technician / Sales Specialist

Apr 2025 - Present

- Conducted hardware diagnostics and precision repairs for mobile devices, tablets, and wearable technology.
- Provided expert technical advice to customers, troubleshooting software glitches and hardware failures in a high-volume retail environment.
- Managed inventory logistics and utilized POS systems to process technical service orders and product sales.

PROJECTS

JobRovr

2025 - Present

Developing a full-stack recruitment application using **Next.js**, **Tailwind CSS**, and **Clerk**. Focusing on high-performance UI components and secure backend synchronization for real-time job tracking.

DIY Autonomous Drone

2024

Built an autonomous flight system using Raspberry Pi and Arduino. Programmed obstacle avoidance algorithms and integrated GPS modules for precise navigation and aerial video streaming.

GDSC Hackathon: Sustainability Platform

2023

Secured **Top 4** finish. Engineered a web platform to facilitate textile circularity, allowing users to trade items and earn rewards, emphasizing scalable frontend design.

LICENCES & CERTIFICATIONS

Supervised Machine Learning: Regression and Classification (Stanford/DeepLearning.AI)

2024

EXTRA-CURRICULAR

Robotics Mastery: Completed 20+ projects using LEGO Mindstorm EV3 including autonomous maze navigation.

IoT Innovation: Developed 8+ smart systems using Raspberry Pi 4 for home automation and urban farming.

Athletic Leadership: Captain of Gujarat's Roll Ball Team (2017–2022); led team to 3 national titles.

Community Engagement: Managed volunteer recruitment and promotional materials for campus symposiums.