

Akash Maity

STUDENT

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Objective

I am a third-year student in the Bachelor of Computer Science program at Dalhousie University, with experience in software development, Android app development, web development, and AI automation. Skilled in building full-stack applications, integrating APIs, and optimizing workflows. Passionate about leveraging technical expertise to deliver efficient and impactful solutions in software engineering or AI roles.

Projects

SPA (Student Personal Assistant) | AI-Powered Student Assistant using n8n

- Built an intelligent assistant to handle tasks such as emails, scheduling, health guidance, and budget tracking
- Integrated automation workflows using n8n for task management
- Enabled personalized student support through contextual recommendations
- Improved efficiency in academic and personal planning for users

QuickCash | Android Application

- Created a mobile app for posting short-term job ads with Google Maps integration
- Integrated PayPal API for secure in-app payments
- Designed a user-friendly interface for job posting and searching
- Streamlined local job connections by merging mapping and payments

Chat Application | Java (Client-Server Communication)

- Built a two-way client-server chat system in Java, enabling real-time text communication
- Created multi-threaded handling to allow sending and receiving of messages
- Strengthened understanding of networking fundamentals, concurrency, and exception handling in Java

PetMed | Medical Web Application

- Built a web platform featuring virtual cats for interactive learning on drug dosage regulation
- Designed intuitive UI/UX to simplify complex medical concepts for students
- Implemented logic to calculate and regulate correct dosages safely
- Enhanced learning outcomes by gamifying medical practice scenarios

Gemini Chrome Extension | Chrome extension

- Developed a **Chrome Extension (Manifest V3)** that integrates the **Google Gemini API** for on-page AI explanations.
- Built a **context menu and sidebar UI** enabling users to highlight text and receive instant AI insights.
- Created a **secure local proxy server** with **Node.js and Express** to protect API keys and handle requests.
- Implemented efficient **background-content script communication** for real-time response rendering.

Part-Time Jobs

CHKN CHOP | Kitchen Assistant

Mar 2025 – Present

- Assisted with food preparation and ensured timely, high-quality service
- Maintained kitchen cleanliness and adhered to strict food safety standards
- Collaborated with team members to ensure smooth kitchen operations

Public Outreach Fundraising | Professional Fundraiser

Mar 2025 – Mar 2025

- Conducted direct outreach to engage individuals and raise awareness for social causes
- Advocated for organizations to help achieve fundraising goals
- Promoted positive community impact through personalized engagement

Dalhousie University | Teaching Assistant

Jan 2024 – Apr 2024

- Assisted first- and second-year students in solving course-related questions
- Supported instructors with grading and class preparation
- Provided academic guidance to enhance student learning, facilitated discussions to reinforce course material

Education

Faith Academy | New Delhi, India 2022

High School Studies, secured 95.6%

Dalhousie University | Halifax, NS present - 2027

Bachelor of Computer Science

Languages	Skills
<ul style="list-style-type: none">• Java• Python• C• SQL• Android Studio• N8n• Web Development – HTML, CSS, and JS	<ul style="list-style-type: none">- Teaching and Mentorship- Team Collaboration- Project Management- Customer Service