

# Akash Maity

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## Objective

Third-year Bachelor of Computer Science student at Dalhousie University with a strong foundation in software development, Android applications, web development, and AI automation. Skilled in full-stack development, API integration, and workflow optimization. Passionate about combining technical skills with user-centered design to deliver impactful solutions. Seeking opportunities in software engineering, AI, or research-oriented roles.

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## Education

- Dalhousie University | Halifax, NS  
Bachelor of Computer Science (Expected 2027)
    - Relevant Coursework: Data Structures & Algorithms, Operating Systems, Software Engineering, Database Systems, Artificial Intelligence
    - Teaching Assistant for first- and second-year Computer Science courses
  - Faith Academy | New Delhi, India  
High School Studies, 95.6% (2022)
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## Academic Experience

Teaching Assistant | Dalhousie University

Jan 2024 – Apr 2024

- Assisted first- and second-year students in solving coursework-related problems
  - Supported instructors with grading, exam preparation, and lecture assistance
  - Facilitated discussions and problem-solving sessions to reinforce learning
  - Provided mentorship and academic guidance to undergraduates
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## Projects

### SPA | AI-Powered Student Assistant (n8n)

- - Built an intelligent assistant to manage emails, scheduling, health guidance, and budget tracking

- - Integrated automation workflows using n8n for streamlined task management
- - Delivered contextual recommendations for personalized support
- - Enhanced student productivity and well-being through AI-driven guidance

#### QuickCash | Android Application

- - Developed a mobile app for posting short-term job ads with Google Maps integration
- - Integrated PayPal API for secure financial transactions
- - Designed intuitive UI/UX for both job posters and job seekers
- - Simplified local job matching by combining location-based services with payments

#### Chat Application | Java (Client-Server Communication)

- - Built a client-server chat system in Java enabling real-time communication
- - Implemented socket programming (ServerSocket, Socket) with I/O streams
- - Used multithreading for simultaneous sending and receiving of messages
- - Strengthened knowledge of networking protocols, concurrency, and exception handling

#### PetMed | Medical Web Application

- - Designed an interactive platform featuring virtual cats for drug dosage regulation education
  - - Implemented logic for safe and accurate dosage calculations
  - - Simplified complex medical concepts with intuitive UI/UX design
  - - Enhanced learning outcomes through gamification of medical scenarios
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## Professional Experience

#### Food Service Worker | CHKN CHOP (Mar 2025 – Present)

- - Assisted with food preparation and ensured timely, high-quality service
- - Maintained cleanliness and adhered to food safety protocols
- - Delivered customer service to enhance dining experience
- - Collaborated with team members for smooth kitchen operations

#### Professional Fundraiser | Public Outreach Fundraising (Mar 2025 – Mar 2025)

- - Engaged directly with individuals to raise awareness for social causes
- - Fostered donor relationships and secured support for nonprofits
- - Advocated for organizations to help achieve fundraising goals
- - Promoted community impact through meaningful conversations

#### Line Cook | Potikki's (Aug 2023 – Nov 2024)

- - Prepared and cooked menu items in a fast-paced kitchen
- - Maintained high food quality while following health and safety standards
- - Supported kitchen operations through teamwork and organization

- - Applied creativity in preparing dishes as part of personal interest in cooking

#### Food Service Worker | Smoke's Pouterie Inc. (Nov 2024 – Jan 2025)

- - Assembled poutine dishes with accuracy and speed
  - - Ensured kitchen cleanliness and food safety compliance
  - - Provided timely and friendly service to customers
  - - Supported day-to-day operations in a busy kitchen environment
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### Skills

- ✓ Technical Skills:
    - Java, Python, C, SQL
    - Android Studio, Web Development (HTML, CSS, JavaScript)
    - API Integration (Google Maps, PayPal)
    - Automation Tools (n8n), AI Workflow Design
    - Networking (Socket Programming, Multithreading, Client-Server Systems)
    - Database Management & Data Handling
  - ✓ Professional Skills:
    - Teaching & Mentorship
    - Team Collaboration
    - Project Management
    - Customer Service
    - UI/UX Design & Prototyping
    - Fundraising & Communication
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### Achievements & Certifications

- High School Topper with 95.6% aggregate (2022, Faith Academy, New Delhi)
  - A+ grade in course project for client-based software development (2025)
  - Collaborated with ShiftKey Labs on AI and automation projects (2025)
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### Interests

- Software Automation and AI Agents
- Human-Computer Interaction (HCI) and UI/UX Design
- Cooking and experimenting with recipes
- Community-focused technology solutions