# Ashish Lama

**Toronto, ON, Canada**

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## PROFESSIONAL SUMMARY

Software Engineer with 6+ years of experience building enterprise software and scalable microservices using .NET, Angular, and SQL. Experienced in developing full-stack systems, APIs, and data visualization dashboards used by large organizations across multiple countries.

Recently specialized in Artificial Intelligence and Data Science through graduate studies in Canada with hands-on experience building machine learning models, LLM-integrated and AI-powered web applications. Skilled in Python, FastAPI, machine learning frameworks and building production ready AI-enabled applications.

## TECHNICAL SKILLS

**Programming Languages** – C#, Python, JavaScript, Java

**Frameworks & Technologies** – .NET Core, ASP.NET, Angular, React, Spring Boot, Flask, Django, FastAPI

**Machine Learning & Data Science** – Scikit-learn, CNN, Regression, SVM, K-Means, Random Forest, XGBoost, LangChain, RAG Systems

**Databases** – SQL Server, MySQL, Oracle

**Visualization & Tools** – Tableau, Power BI, Chart.js, D3.js, Nivo, Docker

## PROFESSIONAL EXPERIENCE

### Team Member (Part-time)

*Momo 2 Go – Scarborough, ON* Feb 2025 – Present

- Deliver fast and accurate customer service in high-volume quick-service restaurant environment.
- Handle customer orders, payments and issue resolution while maintaining a positive customer experience.
- Support kitchen operations including food preparation, restocking and workflow coordination during peak hours.

### Senior Software Engineer | Team Lead

*Percoid IT Solutions – Lalitpur, Nepal* Dec 2019 – Feb 2024

- Led development of enterprise management systems using .NET Core, Angular and SQL Server delivering scalable APIs and analytical workflows.
- Optimized database performance and implemented efficient data processing pipelines improving operational reporting performance.
- Mentored junior developers and collaborated with cross-functional teams to ensure high-quality, maintainable software delivery.

### Key Projects

**Quantum – Enterprise Media Management Platform**

- Developed a full-stack billboard and media management platform used by 200+ outdoor media companies across multiple countries.
- Implemented modules supporting the lifecycle of advertising contracts from proposal creation to installation tracking.

- Built scalable backend services using .NET Core, Angular and SQL Server.

**QReporting – Business Intelligence Dashboard**

- Built interactive dashboards analyzing sales, contracts and revenue trends.
- Implemented data visualization using Angular and Chart.js.

**Software Engineer**

*Elite Solutions – Lalitpur, Nepal* Jan 2018 – Dec 2019

- Maintained and enhanced enterprise financial applications using .NET and SQL Server.
- Wrote optimized database queries improving system efficiency and data processing performance.
- Contributed to fintech systems supporting card-based transaction workflows.

**Key Projects**

**CCOMS – Card Operation Management Platform**

- Developed a full-stack card management platform with modules supporting the lifecycle of card issuance to deliverance to clients.
- Built and revamped the legacy system using ASP.NET MVC, EF and SQL Server.

**Charge Deduction API**

- Developed middleware service processing bank card transactions using ISO-8583 protocol.
- Integrated banking core systems using Java, Spring Boot and REST APIs.

## AI & DATA SCIENCE PROJECTS

**SkillScreen – AI Interview Platform**

- Developed an AI-powered interview screening platform that automates candidate assessment using LLM-generated follow-up questions.
- Designed microservice architecture supporting multimodal inputs including text responses and coding challenges.
- Integrated Judge0 API for real-time code execution and evaluation enabling automated technical screening workflows.

**CalSnap – AI Calorie Detection System**

- Developed an AI-based calorie detection application that estimates nutritional values from food images using convolutional neural networks (CNN).
- Built React dashboards for tracking historical calorie consumption and nutrition trends.
- Implemented backend image processing pipeline and model inference services using Python.

## EDUCATION

**Ontario Graduate Certificate - Artificial Intelligence and Data Science**

Loyalist College, Toronto, ON 2024 – 2025

**Bachelor of Computer Engineering**

Tribhuvan University, Nepal 2012 - 2016