

# Anurag Teckchandani

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*Software Engineer with 3+ years of experience in full-stack and backend development, driving business impact through scalable architectures, cross-functional collaboration, and robust system design.*

## Education

### Concordia University

Master of Applied Computer Science - 3.7/4.0 GPA

Sept 2023 – Apr 2025

Montreal, QC

### Guru Gobind Singh Indraprastha University

Bachelor of Technology in Computer Science and Engineering

Aug 2017 – Jun 2021

Delhi, India

## Work Experience

### Software Developer

Jan 2025 – Present

Office | Tech Stack: Microsoft Azure, Java, SQL, AL Programming, Dynamics 365

Montreal, Canada

- **Custom Feature Development** – Built and integrated Business Central functionalities using AL and Java, enhancing automation and user experience for 5+ clients.
- **System Optimization & Integration** – Developed RESTful APIs, SQL procedures, and data migration workflows; resolved 20+ critical bugs to ensure stability and seamless Azure integrations.
- **Agile Collaboration** – Partnered with consultants and QA teams to accelerate delivery, improve code quality, and uphold development standards through thorough code reviews.

### Software Engineer (Full-Stack)

Aug 2021 – July 2023

42 Gears Mobility Systems | Tech Stack: Kotlin, Java, .Net, Angular, Typescript, Docker, MongoDB, CI/CD

Bangalore, India

- **Optimized System Performance** – Developed and integrated Android apps with backend services using **Kotlin, Java**, and Retrofit, achieving a **25% reduction** in response time on the SureMDM dashboard.
- **Led Product Development** – Spearheaded end-to-end development of **SureMDM HUB**, a scalable MDM solution with centralized control, ensuring quality through rigorous unit testing.
- **Cross-Functional Collaboration** – Delivered new features across Android and backend, managed two interns, and worked with global teams using Agile practices to drive product success.

### Software Development Intern

June 2020 – Dec 2020

Krishworks Technology and Research Labs | Tech Stack: Java, XML, Retrofit, xAPI, Linux

Kolkata, India

- Built a custom Learning Record Store (LRS) using Linux and xAPI, integrating it with an Android app to explore e-learning technologies like SCORM and Learning Locker.
- Improved app performance by developing reusable UI-XML components, **reducing download size by 10%**.

## Projects

PatientIQ | Java – Spring Boot, Microservices, Docker, PostgreSQL, Kafka, gRPC, Spring Cloud Gateway, AWS LocalStack

- **Scalable Microservices System** – Built a modular patient management platform using Microservices architecture with Spring Boot, REST, and gRPC for seamless inter-service communication.
- **Event-Driven Messaging & Security** – Enabled real-time updates via Apache Kafka and implemented secure authentication with Spring Security and API routing through Spring Cloud Gateway.
- **Cloud-Native Deployment** – Containerized services with Docker and deployed to AWS LocalStack, simulating ECS, RDS, and API Gateway with automated testing for system reliability.

Pneumonia Detection - CNN | Python – Pytorch, Numpy, Pandas, Matplotlib, Jupyter Notebook, Github

- **Project Leadership in Pneumonia Detection** – Spearheaded a semester-long initiative focused on pneumonia detection from chest X-ray images, utilizing advanced Convolutional Neural Networks (CNNs) and transfer learning methodologies to significantly improve diagnostic accuracy.
- **Data Preprocessing and Model Optimization** – Executed comprehensive data preprocessing and trained multiple CNN architectures, including ResNet, DenseNet, and Inception, in addition to leveraging two transfer learning models to enhance performance across three diverse datasets.
- **Model Tuning and Performance Evaluation** – Led the hyperparameter tuning process, optimizing key parameters such as learning rate, batch size, and loss functions. Assessed model performance using a variety of evaluation metrics and employed t-SNE for advanced result visualization and insights.

IntelliDocs | Express, Node.js, Next.js, Prisma, Zustand/Redux, REST API, Github

- **Full-Stack SaaS Platform** – Designed and built a robust platform for AI-powered PDF interaction, enabling users to upload documents and receive contextual responses.
- **Stripe & User Integration** – Integrated Stripe for subscriptions, add-ons, and secure user account linking.
- **Access Control & Workflow Optimization** – Implemented role-based access, custom dashboards, and a project management system with media storage to streamline user workflows.

## Technical Skills

**Languages:** Core Java, C++ Kotlin, C#, Python, HTML5/CSS, NodeJS, AngularJS, TypeScript, AL, JSON, Relational Database - SQL, and MongoDB,

**Developer Tools:** VS Code, Android Studio, Microsoft Azure, Microsoft Dynamics 365, Firebase, Version Control, GitHub, Gitlab, Postman, JIRA, SQLite, Selenium, Gradle

**Libraries/Frameworks:** Android, Spring Boot, Hibernate, Next.js, Docker, Kubernetes, Express, Flutter, Algorithms, Data Structures, Object Oriented Programming (OOP), Micorservices, MVC, RESTful API, Redis, Junit, Mockito, JPA

## Certifications/Extra-Curricular

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- **Microsoft (May 2025)** – MB-820 Microsoft Certified: Dynamics 365 Business Central Developer Associate
- **Udemy (Sept 2023)** – Complete Android R + Java Developer Course
- **Volunteer & Social Media Director, Rotaract Club (2020–2021)** – Led initiatives and managed social media, boosting community outreach and engagement.
- **Problem-Solving Excellence** – 4-star (Java, C++) on HackerRank; solved 300+ problems on LeetCode.
- **Hackathon Winner** – Secured 1st place out of 100+ teams at MUJ HACKS 4.0, Manipal University (Feb 2020).