Anurag Teckchandani

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Education

Concordia University .... **Sept 2023 – Apr 2025**
Master of Applied Computer Science - 3.7/4.0 GPA .... *Montreal, QC*

Guru Gobind Singh Indraprastha University .... **Aug 2017 – Jun 2021**
Bachelor of Technology in Computer Science and Engineering .... *Delhi, India*

Work Experience

Software Developer (Backend) .... **Jan 2025 – Present**
Vffice | Tech Stack: Microsoft Azure, Javascript, SQL, AL Programming, Dynamics 365 .... *Montreal, Canada*

- **Developed and Implemented Custom Features in AL & JavaScript** – Designed and integrated custom Business Central (BC) functionalities using AL and JS, improving process automation and enhancing user experience for 5+ clients.
- **Optimized Data Processing & Performance** – Developed RESTful APIs and SQL stored procedures, reducing data retrieval time, and implemented efficient data migration strategies for seamless client transition
- **Enhanced System Integration & Debugging** - Troubleshot and resolved 20+ critical bugs, ensuring system stability and seamless integration of BC with Microsoft Azure services and third-party applications.
- **Collaborated in Agile Development & Code Reviews** - Worked closely with consultants, project managers, and QA teams, improving feature delivery speed, while conducting thorough code reviews to maintain high-quality standards.

Software Engineer (Full-Stack) .... **Aug 2021 – July 2023**
42 Gears Mobility Systems | Tech Stack: .Net, Angular, Typescript, Docker, MongoDB, CI/CD .... *Bangalore, India*

- **Optimized API Performance** – Developed and maintained RESTful APIs using .NET 5 and 6, resulting in a **25% reduction** in response time for fetching online devices on the SureMDM dashboard, significantly improving system performance.
- **Feature Development and Integration** – Introduced new features to SureMDM and successfully integrated them into the Nix Agent Android Application. Collaborated effectively with a cross-functional team, utilizing Agile/Scrum methodologies to expedite feature development, contributing to a broader client base.
- **Product Development from Scratch** – Led the development of **SureMDM HUB**, a secure, scalable mobile device management solution, providing multiple clients with centralized management through a single admin console. Ensured quality through comprehensive unit testing of individual modules.
- **Team Leadership** – Managed a team of two interns, providing guidance, conducting code reviews, and collaborating with clients from the US and UK to ensure project success and deliver high-quality solutions.

Technical Skills

Languages: Core Java, C++ Kotlin, C#, Python, HTML5/CSS, NodeJS, AngularJS, JavaScript, 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, MVVM, Jetpack Compose, Express, Flutter, Algorithms, Data Structures, Object Oriented Programming, RESTful API, Docker

Projects

VirtualDecorAR | *Kotlin, Jetpack Compose, Augmented Reality (AR), C#, NET, Firebase, Github*

- **Enhanced Furniture Shopping with AR** – Developed VirtualDecor, a mobile app that leverages Augmented Reality (AR) to help users visualize furniture in their homes before purchasing, improving decision-making and user confidence.
- **Built a Scalable and Responsive Architecture** – Implemented MVVM architecture with StateFlow, ensuring a clear separation of concerns and preserving UI state during configuration changes for a seamless user experience.
- **Optimized Backend Integration** – Designed and integrated authentication APIs using .NET 6, SQL, and Azure Data Studio, enabling secure login and signup functionalities while ensuring smooth data flow between the app and backend.
- **Streamlined Development & API Connectivity** – Utilized SceneForm for AR, Hilt for dependency injection, and Coroutines for efficient Firebase requests, while leveraging ngrok to create a forwarding URL for seamless backend integration with the Android app.

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 Development** – Architected and developed a robust SaaS platform, enabling users to upload PDFs and receive AI-generated responses to their queries, providing a seamless interaction with document content and enhancing user experience.
- **Payment Integration and User Account Management** – Integrated Stripe to handle subscription management, add-on products, and user account connections, ensuring secure and efficient payment processing.
- **Role-Based Access and Custom Dashboards** – Implemented role-based access control, developed custom dashboards, and integrated a project management system with media storage, streamlining user workflows and improving data organization.

Community Service/Extra-Curricular

- **Volunteer & Social Media Director, Rotaract Club of Ignited Youth (Jul 2020 – Jun 2021)** – Led community initiatives and managed social media, increasing outreach and engagement.

- **Problem-Solving Expertise** – 4-star in Problem Solving (Java, C++) on HackerRank; 300+ problems solved on LeetCode.

- **Hackathon Winner** – 1st place among 100+ teams at MUJ HACKS 4.0, Manipal University, Jaipur (Feb 2020).

Certifications

Complete Android R + Java Developer Course (Sept 2022)
Data Structures and Algorithms Coding Interview Q&A (Nov 2021)