Ansh Gandhi

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EDUCATION

University of British Columbia   Sep 2019 – Nov 2025
B.Sc. Computer Science   *Vancouver, BC*

WORK EXPERIENCE

Testing Automation Co-op   Jan 2025 – Present
ICBC   *Vancouver, BC*
− Developed a Python script using Pandas to aggregate test data from scattered sources, streamlining inputs for 200+ test scripts.
− Integrated IBM MQ API testing into GitLab CI/CD pipelines using Postman collections.
− Developed end-to-end tests with the Guidewire Testing Framework to validate insurance workflows.

Junior Software Developer   Sep 2022 – Apr 2023
Greenspace Mental Health   *Vancouver, BC*
− Increased automated test coverage using Playwright Test, improving regression safety.
− Resolved complex Python-based ordering issues to ensure consistent frontend data display.
− Cross-validated PostgreSQL records against Looker dashboards to ensure data accuracy.

PROJECTS

Resume Analyzer | FastAPI, Next.js 14, LangChain, ChromaDB, Ollama   Nov 2025 – Present
− Engineered RAG pipeline using LangChain and ChromaDB to process PDF resumes in under 60 seconds with 384-dimensional vector embeddings and sentence-transformers.
− Implemented multi-stage LLM analysis pipeline with Ollama generating ATS scores, automated skills gap identification, and prioritized improvement recommendations.
− Built vector similarity search engine matching candidate resumes against job requirements through ChromaDB queries and semantic compatibility scoring.

Investment Portfolio Tracker | Spring Boot, Docker, OAuth 2.0, Claude   Sep 2025 – Present
− Built a full-stack portfolio management system with live market updates using the Finnhub API and Spring Boot.
− Optimized backend logic with Spring Data JPA and AI-assisted refactoring using Claude.
− Used AI tools for test generation, documentation, and API design reviews.
− Implemented a normalized PostgreSQL schema and secured deployments using OAuth 2.0 and Docker.

Intelligent Tutoring System (Deployed) | MERN Stack, Gemini API   Jun 2024 – Aug 2024
− Built AI-driven tutoring assistant using Gemini API with prompt engineering workflows for context-aware question generation and adaptive content delivery based on student performance.
− Designed RESTful API with Express.js and MongoDB/Mongoose schemas supporting user authentication, progress tracking, and dynamic content management across multiple subjects.
− Implemented Redux state management and React components for real-time UI updates, enabling seamless quiz progression and immediate feedback display.
− Deployed production application using GitHub Actions CI/CD pipeline with automated testing via Postman and Cypress, ensuring code quality and reliability.

TECHNICAL SKILLS

Languages: Python, Java, TypeScript
Frameworks: Node.js, Express.js, React, Redux, Mongoose, Spring Boot
Testing: Cypress, Playwright, TestCafe, Chai/Mocha, JUnit, Postman, Cucumber
DevOps: Docker, GitHub Actions, AWS