

Ronit Khanna

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Education

Arizona State University, Tempe, Arizona
Bachelor of Science in Computer Science GPA:3.8

Aug 2022 – May 2026

Experience

- Java Developer Intern — Indiabulls Securities, India** Jun 2025 – Aug 2025
- Engineered CRUD-based microservices using **Spring Boot + MySQL**, streamlining internal workflows and boosting backend reliability.
 - Contributed to the **Dhani Stocks** web platform by refactoring APIs and debugging production-level issues.
 - Collaborated in Agile sprints using Git-based CI/CD pipelines for version control and deployment testing.
- Graduate Service Assistant — CSE310 (Data Structures), ASU** Aug 2024 – Dec 2024
- Mentored 100 + students in Java algorithm design and complexity optimization.
 - Assisted faculty in creating quizzes and evaluating projects ensuring academic integrity and fair grading.
- Cybersecurity Analyst Intern — GMR Group, New Delhi** Jul 2023 – Aug 2023
- Performed vulnerability assessments and network audits to improve distributed system security.
 - Drafted incident-response reports and suggested firewall and endpoint policy optimizations.
- Java Software Developer Intern — Samsung Data Systems, New Delhi** Jun 2023 – Jul 2023
- Designed and tested RESTful APIs for enterprise Java applications handling large-scale data transactions.
 - Collaborated on backend module development using RESTful APIs and MVC design patterns.

Technical Projects

- HomeaZZon — AI-Powered Property Management System** *C#, .NET 8, Azure AI Vision, Azure Form Recognizer, SQL, Angular*
- Integrated **Azure Form Recognizer** to automate extraction of warranty and invoice data from scanned documents.
 - Built and debugged the **FormRecognizerService** backend using DTO-based architecture and dependency injection.
 - Designed a **Predictive Maintenance module** with data flow diagrams and controller stubs for appliance failure prediction.
 - Architected end-to-end integration of Azure AI Vision and SQL Server for automated property data management.
- AI Study Assistant — Personalized Learning Platform** *Python, FastAPI, MongoDB, OpenAI API, React*
- Developed an **LLM-powered study assistant** that generates quizzes and contextual summaries for topic-based learning.
 - Implemented a modular **FastAPI** backend with AI routes and MongoDB context storage for personalized responses.
 - Created AI-client utilities for dynamic prompt construction and real-time query caching to optimize response latency.
 - Integrated a React frontend for interactive chat-style learning with session tracking.

Skills

Languages: Java, C#, Python, C++

Backend: .NET 8, Spring Boot, FastAPI, REST APIs

Databases: SQL Server, MongoDB

Cloud & Tools: Azure AI Vision, Azure Form Recognizer, Docker, Git, CI/CD Pipelines

AI Integration: GPT-4 (OpenAI API), LangChain, Google Gemini API, Pinecone

Achievements

New American University Scholarship Recipient • Dean's List (4 Consecutive Semesters)