

# Ronit Khanna

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## Education

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

Aug 2022 – May 2026

## Experience

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**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

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**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

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**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

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