

Ronit Khanna

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EDUCATION

Arizona State University

Bachelor of Science in Computer Science

- GPA: 3.9/4.0

Tempe, Arizona

Aug 2022 – May 2026

EXPERIENCE

Java Developer Intern

Indiabulls Securities

Jun 2025 – Aug 2025

Gurugram, India

- Engineered CRUD-based microservices using Spring Boot + MySQL, streamlining internal workflows and improving backend reliability by ~30%.
- Contributed to the Dhani Stocks web platform by refactoring APIs and debugging production-level issues, reducing API response time by ~25%.
- Collaborated in Agile sprints using Git-based CI/CD pipelines for version control and deployment testing, accelerating release cycles by ~20%.

Graduate Service Assistant – CSE310 (Data Structures)

Aug 2024 – Dec 2024

Arizona State University

Tempe, Arizona

- Mentored 100+ students in Java algorithm design and complexity optimization, improving average assignment scores by ~15%.
- Assisted faculty in creating quizzes and evaluating projects ensuring academic integrity and fair grading, reducing grading turnaround time by ~25–30%.

Cybersecurity Analyst Intern

Jul 2023 – Aug 2023

GMR Group

New Delhi, India

- Performed vulnerability assessments and network audits to improve distributed system security, contributing to remediation efforts for several high-severity vulnerabilities.
- Drafted incident-response reports and suggested firewall and endpoint policy optimizations, reducing potential attack surface by ~15–20%.

Java Software Developer Intern

Jun 2023 – Jul 2023

Samsung Data Systems

New Delhi, India

- Designed and tested RESTful APIs for enterprise Java applications handling large-scale data transactions, improving throughput by ~20–25%.
- Collaborated on backend module development using RESTful APIs and MVC design patterns, reducing code complexity by ~20%.

TECHNICAL PROJECTS

HomeaZZon – AI-Powered Property Management System | C#, .NET 8, Azure AI, Azure SQL

- Designed and implemented an AI-driven backend system using .NET 8 to integrate Azure Form Recognizer and Vision services, reducing manual document handling effort by ~20–30% through automated extraction of structured property data.
- Built a Predictive Maintenance engine computing appliance risk scores and maintenance recommendations using usage patterns, asset age, and manufacturer schedules, enabling ~15–20% earlier identification of high-risk assets compared to reactive maintenance workflows.
- Developed an explainable statistical insights pipeline producing deterministic, rule-based maintenance signals (usage anomalies, maintenance gaps, environmental risk, manufacturer deviation), significantly improving decision transparency and auditability through explainable outputs.
- Architected scalable, model-agnostic APIs with clean architecture and dependency injection, simplifying future AI/ML integration by decoupling business logic from model execution.

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, SQL

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

Databases: SQL Server, PostgreSQL, MongoDB

Cloud & DevOps: Azure, Docker, Git, CI/CD Pipelines

AI & LLM Integration: Azure AI Vision, Azure Form Recognizer, GPT-4 (OpenAI API)

ACHIEVEMENTS

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