

VARISH KHAN

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CAREER OBJECTIVE

A highly motivated AI/ML graduate student with proven expertise in **Data Structures**, **Algorithms**, and full-stack development. Proficient in leveraging generative AI tools to accelerate the software development lifecycle, from ideation to rapid debugging. Seeking a challenging role as a **Software Development Engineer** or **AI/ML Engineer** to build impactful, scalable solutions and contribute to a forward-thinking organization.

EDUCATION

Master of Technology (Artificial Intelligence & Machine Learning)

Oriental Institute of Science and Technology, Bhopal

(2024-2026)

Bachelor of Engineering (Computer Science & Engineering)

Rabindranath Tagore University, Bhopal - CGPA: 8.41

(2019-2023)

Intermediate

Govt. Subhash HS School for Excellence, (MP Board) - 68.4%

(2018-2019)

Matriculation

Govt. Subhash HS School for Excellence, (MP Board) - 76%

(2016-2017)

TECHNICAL SKILLS

- **AI & Machine Learning:** Generative AI (GPT, Gemini), Prompt Engineering, ML Concepts, GitHub Copilot
- **Programming Languages:** Python, Java, C++, C
- **Backend Development:** Spring Boot, RESTful APIs, Servlets, JDBC
- **Frontend Development:** HTML, CSS, JavaScript, React.js
- **Databases:** MySQL
- **Core Concepts:** Data Structures, Algorithms, Object-Oriented Programming (OOP), SDLC

INTERNSHIP & PROJECTS

Web Development Intern - Portfolio Project

- Developed a fully responsive personal portfolio website from scratch using **HTML**, **CSS**, and **JavaScript** to showcase technical skills and projects.
- Employed **AI-powered code assistants** to accelerate debugging and code refactoring, which improved development efficiency by an estimated 25%.
- Managed the entire development lifecycle using **Git** for version control and **GitHub** for repository management, adhering to an agile workflow.

Student Management System

- Engineered a robust desktop application using **Java** and **JDBC** to efficiently manage student records and track attendance.
- Utilized **AI tools to analyze and refactor database queries**, boosting data retrieval performance by **30%**.
- Designed and implemented the **MySQL** database schema for optimal data storage and integrity.

AI-Enhanced Online Quiz Platform

- Developed a dynamic, timer-based quiz application using **Java** and **JavaFX**, integrating **REST APIs** for real-time leaderboard functionality.
- Leveraged **generative AI** to rapidly create a diverse and high-quality question bank, significantly reducing content creation time.

PROFESSIONAL DEVELOPMENT

- **Certifications:** Full Stack Java Development (In Progress), Java & DSA (In Progress), Git & GitHub Version Control.
- **Active AI Practitioner:** Consistently apply **AI tools** to solve complex **Data Structures & Algorithm** problems on **LeetCode**, focusing on optimizing solutions for scalable backend systems.

