

Keshav Sharma

Noida, Uttar Pradesh, 201313

 +918588056884  kishusharma2003@gmail.com  linkedin.com/in/keshav-sharma-ai  github.com/codewithkeshav20

Education

Amity University (CGPA : 7.04)	Sep.2022 - May 2026
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Bachelor of Technology (B.Tech) in Computer Science Engineering

Mayo International School, Delhi (XII) (PERCENTAGE : 71.4%)	2022
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Delhi Public School, Indirapuram (X) (PERCENTAGE : 84.4%)	2020
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Relevant Coursework

- Object-Oriented Programming (OOP)
- Database Management Systems (DBMS)
- Operating Systems(OS)
- Computer Networks(CN)

Projects

Enterprise-Grade RESTful API Service | *Python, Flask, MySQL, PyJWT*

- Engineered a scalable **MVC backend** with **JWT authentication**, developing custom decorators for **RBAC** and middleware protection.
- Optimized API performance via **Server-side Pagination** and SQL tuning; implemented **multipart file uploads** and **batch data insertion**.
- Standardized API communication using strict **HTTP Status Codes**, **JSON responses**, and **CORS** headers for cross-origin compatibility.

Student Result Management System | *Python, MySQL, RDBMS*

- Architected a **CRUD-based system** managing relational data, ensuring **ACID properties** and data consistency across transactions.
- Designed normalized **MySQL schemas** to optimize storage and retrieval; automated result computation logic for **100% accuracy**.
- Implemented persistent connectivity via `mysql-connector` with robust **exception handling** and secure query execution.

Technical Skills

- **Languages & Frameworks:** Python, Flask (REST), SQL, PyJWT, HTML/CSS
- **Backend & Database:** MVC Architecture, JWT Authentication, RBAC, MySQL, RDBMS, JSON
- **Tools & Environment:** Git, GitHub, Postman, VS Code, MySQL Workbench
- **Core Concepts:** Data Structures (DSA), OOP, DBMS, Operating Systems, Computer Networks

Certifications

- **Cisco Certified Network Professional (CCNP) - Basic Networking** | *Cisco*