KOPAL KHARE

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SUMMARY

Undergraduate Software Engineering student with strong foundations in Data Structures & Algorithms, backend development, and system-level problem solving. Hands-on experience in Python, Java, REST API development, SQL databases, and Git-based workflows. Experienced in debugging scalable backend systems and following clean coding practices. Familiar with software engineering principles, testing, and cloud computing fundamentals. Actively preparing for competitive programming and software engineering roles.

TECHNICAL SKILLS

Programming Languages: Python, Java, C++, SQL
Core CS Fundamentals: Data Structures & Algorithms, Object-Oriented Programming, Operating Systems (basics), Computer Networks (HTTP, TCP/IP basics), Databases
Backend Development: Django, Django REST Framework, RESTful APIs, ORM
Databases: MySQL, SQLite
Tools & Platforms: Git, GitHub, Linux, Postman, VS Code
Concepts: Authentication (JWT), API Design, Debugging, Clean Code Practices, Scalable Architecture
Cloud Fundamentals: AWS basics (EC2, S3), Cloud Computing concepts

PROJECTS

Backend API for Task / ToDo Management System
Technologies: **Python, Django, Django REST Framework, SQL**
- Designed and developed RESTful APIs for task creation, update, deletion, and retrieval.
- Implemented relational database models using Django ORM and optimized queries.
- Integrated JWT-based authentication and role-based access control.
- Performed API testing and debugging to ensure reliability and performance.
- Used Git for version control and followed structured backend architecture.

Secure User Authentication & Session Management System
Technologies: **Python, Django**
- Developed signup, login, logout, and protected routes.
- Implemented password hashing, middleware validation, and authorization checks.
- Handled edge cases related to invalid credentials and unauthorized access.
- Gained hands-on experience in secure backend system design.

EXPERIENCE & LEADERSHIP

Blockchain Club – Core Member | June 2024 – Present
- Collaborated in organizing national-level technical events with 500+ participants.

Event Management Team – Core Member | Oct 2024 – Present
- Managed large-scale events including AdVItya'25 with 8,000+ attendees.

National Service Scheme (NSS) – Volunteer | July 2024 – Present
- Participated in blood donation drives and environmental initiatives.

EDUCATION

VIT Bhopal University
B.Tech in Computer Science & Engineering (AI & ML)
Sept 2023 – May 2027
GPA: **8.29** / 10

CERTIFICATIONS

IBM Machine Learning Specialization — **Coursera**
• Foundations of User Experience(UX) Design - **Google**
• NPTEL Cloud Computing — **IIT Kharagpur**