



## BRIEF SUMMARY

To gain hands-on experience in backend-oriented software development and contribute to solving real-world engineering problems. Interested in building scalable systems while strengthening core skills in Java, DBMS, operating systems, and problem-solving.

## KEY EXPERTISE

Java DBMS Problem Solving Data Structures OOPs SQL Operating Systems  
Backend Development Fundamentals Linux Basic

## EDUCATION

### MIT Academy of Engineering, Pune

2023 - 2027

B.Tech. - Computer Engineering | CGPA: 7.71 / 10

### sant bhagwanbaba Arts & Science College, Ahmednagar

2023

12<sup>th</sup> | MSBSHSE | Percentage: 82.33 / 100

### Flying Blrds Academy Pathardi, Ahmednagar

2021

10<sup>th</sup> | MSBSHSE | Percentage: 92.20 / 100

## INTERNSHIPS

### Cisco Networking Academy (AICTE Virtual Internship Program) | Cyber Security

10 Jun, 2025 - 12 Aug, 2025

Intern

#### Key Skills:

OSI model Linux basic TCP Cybersecurity Fundamentals IP Networking Protocol Computer Networking

Successfully completed the Cisco AICTE Virtual Internship Program in Cybersecurity, focusing on computer networking and security fundamentals. Gained practical understanding of OSI and TCP/IP models, basic network security concepts, and system-level communication. The internship strengthened foundational knowledge of networking, Linux basics, and analytical thinking, which complements backend and system-oriented software development roles.

## PROJECTS

### Deepfake Video and voice detector

24 Aug, 2025 - 27 Aug, 2025

Mentor: Hackathon Project | Team Size: 4

Key Skills: Backend logic Data Preprocessing Python Data Security API

Developed a system to detect manipulated video and audio content by implementing a structured processing pipeline for media ingestion, feature extraction, and validation. Designed backend logic to handle video and audio inputs, process large data files efficiently, and generate confidence-based detection results. Focused on system reliability, input validation, and result reporting rather than model training. This project improved understanding of secure system design and data-driven backend workflows

### Hospital Management System

12 Apr, 2025 - 05 May, 2025

Mentor: Academic Project | Team Size: 1

Key Skills: Java OOPs JDBC SQL MySQL Embedded Systems Operating Systems

Designed and developed a backend-focused Hospital Management System using Java and MySQL to manage patients, doctors, appointments, and medical records. Implemented modular backend logic following object-oriented principles and used JDBC for efficient database connectivity and CRUD operations. Designed normalized database schemas and optimized SQL queries to improve data retrieval and consistency. The system reduces manual record handling and provides a scalable foundation for future backend and API integration.

### Automatic Timetable Generation System

05 Sep, 2024 - 10 Apr, 2025

Mentor: Mrs. Sharmila Kharat (Timetable Head – Computer Dept.) | Team Size: 4

Key Skills: Java Data Structures Algorithms Problem Solving Backend logic Databases Software Engineering

Developed an automated timetable generation system using Java to eliminate manual scheduling conflicts in academic timetables. Implemented rule-based logic and data structures to allocate faculty, classrooms, and laboratory sessions efficiently. The system validates constraints such as faculty availability and resource conflicts, ensuring optimized scheduling. This project enhanced problem-solving skills and demonstrated the ability to design backend systems that handle complex logical constraints.

ACHIEVEMENTS

- Completed multiple academic and self-driven projects focused on backend logic, database design, and system-level problem solving.

ASSESSMENTS / CERTIFICATIONS

Cybersecurity essentials

JavaScript Essentials 1

Python Essentials

CO-CURRICULAR ACTIVITIES

- Actively participated in technical learning activities including project development, coding practice, and peer discussions related to core computer science subjects.

EXTRA CURRICULAR ACTIVITIES

- Participated in college-level hackathons to improve problem-solving skills, logical thinking, and teamwork under time constraints.

PERSONAL INTERESTS / HOBBIES

- Problem solving, learning new technologies, fitness training, and playing cricket.

WEB LINKS

- Github - <https://github.com/SachinB18>
- Personal - <https://sachinb18.github.io/sachin-portfolio/>

PERSONAL DETAILS

Gender: Male

Date of Birth: 18 Dec, 2004

Marital Status: Single

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