SHAURYA ADARSH

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Education

M S Ramaiah Institute of Technology	**November 2022 – June 2026**
Bachelor of Technology in **Electronics & Instrumentation Engineering**	Bengaluru, Karnataka
DAV BSEB, Patna	**May 2021**
CBSE, Science (PCM)	Percentage: **77%**
DAV Public School, Arrah	**May 2019**
CBSE	Percentage: **93%**

Relevant Technical Coursework

- **Data Structures & Algorithms**
- **Database Management Systems**
- **Software Engineering**
- **System Design Basic**
- **Operating Systems**
- **Embedded Systems**
- **Object-Oriented Programming**
- **Computer Networks**
- **SQL**

Projects

Production-Grade Full-Stack Commerce System

React.js, Spring Boot, PostgreSQL, Spring Security   *GitHub*

- Engineered a full-stack commerce platform handling **1,000+ products** with secure authentication, cart, and order lifecycle workflows.
- Designed **20+ REST APIs** with indexed PostgreSQL queries and caching strategies, reducing average response latency by **35%**.
- Implemented JWT-based security, role authorization, and paginated data retrieval, enabling scalable handling of **5x** higher request loads during testing.

Multi-Modal AI Customer Support Agent

Python, GPT-4 APIs, Function Calling, Gradio   *GitHub*

- Built an AI-powered support agent integrating **20+ APIs** to automate query resolution, reducing simulated manual effort by **60%**.
- Developed multi-modal response handling (text, image, audio) improving interaction coverage across **3 input formats**.
- Deployed an interactive Gradio interface handling **100+ test queries/day**, demonstrating real-world AI workflow orchestration.

Real-Time Chat Application

Java, Socket Programming, Swing, Multithreading   *GitHub*

- Built a client-server chat system supporting **10–15 users** at the same time using Java sockets.
- Used multithreading to send and receive messages instantly with minimal delay during testing.

Achievements

- Solved **220+ DSA problems** across LeetCode, CodeChef, and Codeforces, strengthening problem-solving skills in arrays, recursion, greedy techniques, and heaps.
- Built multiple backend-driven projects using **Spring Boot, PostgreSQL, and REST APIs**, demonstrating practical understanding of scalable application development.

Technical Skills

- **Languages:** Java (Primary),C++, C(basic), Python ,SQL
- **Frameworks:** Spring Boot, Spring Security
- **Databases:** PostgreSQL, MySQL
- **Core Concepts:** REST APIs, JWT Authentication, OOP, Multithreading, Data Structures & Algorithms
- **Tools:** Git, VS Code, IntelliJ IDEA, Postman

Extracurricular Activities

DebSoc Debating Club	**December 2022 – Present**
Member	*MSRIT*

- Took part in **10+ debate competitions** at intra-college and inter-college level, securing top 3 positions in 3 events.
- Organized and attended over **20 practice sessions**, improving speaking and argumentation skills with peers.