

Akshat Verma

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Recent 2025 CSE graduate from Bhilai Institute of Technology in Durg, presently doing PG-DAC at CDAC IACSD Pune. Proficiency in Java, Spring Boot, .NET, React, Node.js, Express.js, and MySQL, as well as hands-on training in full-stack web development and RESTful API architecture. Strong knowledge of OOP, data structures, DBMS, operating systems, and software engineering. Seeking an entry-level Software Engineer / Full-Stack Developer position.

Technical Skills:

- **Programming Languages:**
 - Java, C#, JavaScript, C, C++
 - **Backend Technologies:**
 - Spring Boot, ASP.NET Core (.NET), Node.js, Express.js, REST APIs
 - **Frontend Technologies:**
 - React.js, HTML5, CSS3, Bootstrap
 - **Databases:**
 - MySQL, SQL, JDBC, Entity Framework (Basic)
 - **Tools & Platforms:**
 - Git, GitHub, Postman, Visual Studio, VS Code
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Education

PG-DAC (Post Graduate Diploma in Advanced Computing) CDAC – IACSD Pune

Aug 2025 – Present (Pursuing)

- Intensive training in Java, .NET, Web Programming, DBMS, Operating Systems, and Software Engineering
- Hands-on experience in developing full-stack applications using Spring Boot, React, Node.js, and MySQL
- Worked on enterprise-level projects following layered architecture and REST principles

Bachelor of Technology in Computer Science and Engineering (A.I.) Bhilai Institute of Technology at Durg

November 2021 – July 2025

- Studied core computer science subjects including Data Structures, OOP, DBMS, and Computer Networks
- Participated in hackathons, technical workshops, and project-based learning
- Gained exposure to AI, Machine Learning, and software development practices.

Class 10th and 12th in CBSE Sri Sankara Vidyalaya at Bhilai

- Class 10th: 90.6%
 - Class 12th: 84%
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Accomplishments

- **Duty Matrix – Police Scheduling System**
Github : <https://github.com/CDAC-PROJECT-IACSD/DUTYMATRIX>
Live on- <https://dutymatrix.vercel.app/>
Technologies: Java, Spring Boot, React, MySQL, REST APIs
 - Designing a role-based police workforce scheduling system
 - Developing backend REST APIs using Spring Boot and MySQL
 - Building React-based frontend for shift requests, approvals, notifications, and history tracking
 - Implementing rule-based scheduling logic to ensure fairness and transparency
- **AutoTurret – Intelligent Face-Tracking Security Turret** January 2025
Developed an autonomous security turret that incorporates InsightFace-based real-time facial recognition, an SVM classifier, and Arduino-controlled pan-tilt servos. Automatic target tracking, laser indication, intrusion snapshots, and dual-mode control were implemented using a custom Tkinter GUI with Python and Arduino serial connection.
- **Smart Parking System** February 2023
Developed a Smart Parking System that uses sensors and real-time data to optimize parking space availability and reduce congestion. The solution featured automated spot detection, user interface for space booking, and efficient space management. Won 1st place for innovation and technical execution.