

Gurinder Singh

Email – gurinddersingh77@gmail.com | +91 7340967093 | [Github](#) | [LinkedIn](#) | Bhopal, India

Summary

Java Backend Engineer & Technical Trainer with experience in building scalable server-side applications using Java, Spring Boot, and RESTful APIs. Currently pursuing MCA from VIT Bhopal University. Completed a DSA internship at Skolar, gaining expertise in algorithm optimization and problem-solving. Skilled in Java backend development, MERN stack, cloud computing (AWS, Azure), and database management. Seeking opportunities to leverage technical expertise in backend engineering, software development, and accessibility-focused solutions.

Experience

Technical Trainer at Vision Aid

January 2023 – Present

- Conducted training sessions on **Advanced MS Excel** and **technical computer skills**, enhancing students' data analysis and automation capabilities.
- Provided **one-on-one mentorship and support**, helping students develop practical skills for real-world applications.
- Assisted in **curriculum development and training material design**, ensuring up-to-date and industry-relevant course content.

DSA Training and internship at Skolar

May 2023 – Jul 2023

- Completed a **3-month intensive training** in **Data Structures and Algorithms (DSA)**, focusing on problem-solving and optimization techniques.
- Implemented **efficient algorithms** for sorting, searching, graph traversal, and dynamic programming.
- Developed **real-world coding solutions**, applying DSA concepts to practical programming challenges.

Projects

FPMIS – Forensic Post-Mortem Intelligence System | Lead Developer

Tech Stack: Next.js 14, React.js, TypeScript, Tailwind CSS, FastAPI, Python, SQLAlchemy, PostgreSQL, JWT

- Led a team of **5 developers** to design and ship a full-stack **forensic case management platform**, selected as a finalist and presented at HealthHack 2026, VIT Bhopal University.
- Architected **8 integrated modules** covering case management, digital autopsy reporting, time-of-death estimation, decomposition tracking, evidence handling, and cross-case alerts.
- Designed a **100-point weighted matching algorithm** that links unidentified bodies to missing-person records across seven attributes and returns ranked results with confidence tiers.
- Built secure **RESTful APIs with JWT authentication, role-based access control (RBAC)** and full audit logging over a normalized PostgreSQL schema.
- Delivered a **responsive, mobile-first interface** and handled end-to-end deployment, enabling field access from any device.

Salesalizer | [Github link](#)

Tech Stack: Node.js, Express.js, MongoDB, React.js, Prophet (AI Model), Nivo Charts

- Developed an **AI-powered sales prediction platform** for retailers and businesses.
- Implemented **RBAC (Role-Based Access Control), Authentication & Session Management**.
- Integrated **Prophet AI models for time-series sales forecasting**. Achieving up to **95% accuracy** in predicting sales.
- Designed an **interactive dashboard for visualizing sales trends and insights**

Education

Bachelor of Computer Applications (BCA)
05/25

Completed in

Christ University, Bengaluru

Master of Computer Applications (MCA)

2025 – Present

VIT Bhopal University, Bhopal

Skills

Programming Languages: Python, Java, JavaScript, TypeScript, C

Web Development: MERN Stack (MongoDB, Express.js, React.js, Node.js), Next.js, Tailwind CSS, CSS, Bootstrap

Java Backend Development: Java, Spring Boot, Spring MVC, Hibernate, JPA, RESTful APIs, Maven, Gradle

Python Backend Development: FastAPI, SQLAlchemy, Pydantic, RESTful APIs, Uvicorn

Databases: MySQL, PostgreSQL, MongoDB

Tools & Platforms: Git, GitHub, Postman

Cloud Platform – Amazon Web Services (AWS) , Azure Cloud

Soft Skills – Team Leadership, Mentoring, Teaching, Team Management

Certifications

- Data Structures and Algorithms – Skolar
- AWS Cloud Foundations – AWS