

Himanshu Singh

- Email: himanshusingh98360@gmail.com
- Phone: +91-9339229707
- Portfolio: matrix9339.github.io/Portfolio
- LinkedIn: linkedin.com/in/himanshu-singh

Summary

Innovative Software Engineer with an MCA specializing in Full-Stack Development, Machine Learning, and Cloud Computing. Proven ability to design and implement scalable web applications and data-driven solutions that drive business value. Combines technical expertise with problem-solving skills to deliver high-performance systems in agile environments.

Key Strengths:

- Full-Stack Development: Proven expertise in building end-to-end web solutions with modern frameworks.
- Machine Learning: Hands-on experience developing data-driven models and intelligent systems.
- Cloud Computing: Skilled in deploying and optimizing applications on cloud platforms.

Passionate about continuous learning and delivering innovative solutions in collaborative, agile environments.

Technical Skills

- Programming Languages: Java, Python, C, JavaScript .
- Frontend Development: React, Angular, Bootstrap, HTML5, CSS3.
- Backend Development: Node.js, Express.js, Spring Boot, Java Servlets.
- Databases: MongoDB, MySQL.
- Data Science & Tools: Pandas, NumPy, Matplotlib, Scikit-learn, TensorFlow.
- DSA & Problem Solving (250+): CodeChef, HackerRank, LeetCode.
- Tools & IDEs: Anaconda, Jupyter Notebook, Google Colab, Git, REST APIs, Postman, Compass, Nmap, WireShark, Zap, Kali Linux, VS Code, NetBeans, Docker Desktop.

Experience

Software Engineer

Advanced Computer Ranchi

Jharkhand, IN

Feb 2025 – July 2025

- Developed a responsive company website using React.js and CSS, ensuring seamless user experience across devices (desktop, tablet, mobile).
- Increased page load speed by 30% by optimizing React components
- Delivered a modern, user-friendly interface that improved online presence and customer engagement.
- Collaborated closely with stakeholders at Advanced Computer Ranchi to gather requirements, refine UI/UX, and deliver a polished, business-aligned website that enhanced brand visibility and user engagement.

Research & Development

EIRIS Scan for Disease Prediction Using Machine Learning

Jul 2025 – Present

Artificial Intelligence & Machine Learning

- Developed and optimized machine learning models (e.g., CNN, Random Forest) to predict diseases from EIRIS scan data, enhancing diagnostic accuracy in radiology.
- Implemented image preprocessing and augmentation techniques to improve model robustness on limited datasets.

Intelligent SLA & Real-Time Network Monitoring

Aug 2024 – May 2025

Cloud Computing

- Designed an ML-based risk assessment system for SLA management in cloud environments, reducing violations by 30%.
- Leveraged reinforcement learning to dynamically predict and mitigate SLA breaches in real-time.

Projects

Wildlife Conservation Web App

[Github Link](#) 

- Developed RESTful APIs using Java Servlets to handle CRUD operations for wildlife data tracking.
- Optimized SQL queries and indexed Derby DB tables, reducing data load time by 30%.
- Implemented user authentication and role-based access control for admin/volunteer roles.
- Deployed on Apache Tomcat Server.
- Tech Stack: Java Servlets, Apache Derby DB, JDBC

Car Catalog Systems

[Github Link](#) 

- Built a responsive frontend with React (hooks, state management) and RESTful backend with Spring Boot.
- Added dynamic filtering and sorting by body type features, improving UX by 41%.
- Tech Stack: React.js, Spring Boot, MySQL, REST API

Education

Vellore Institute of Technology (VIT) — Vellore, Tamil Nadu *Master of Computer Applications — Computer Science*

*July 2024 – Present
(Expected June 2026)*

- CGPA: 7.8/10.0
- **Coursework:** Machine Learning, Cloud Computing, Data Structures, Advanced Algorithms.

Techno India Kolkata — Kolkata, West Bengal

Jun 2021 – Jun 2024

Bachelor of Computer Applications — Computer Science

- CGPA: 7.9/10.0
- **Coursework:** Database Management Systems, Object-Oriented Programming, Web Technologies, Operating Systems, Software Engineering, Computer Networks.

Hariyana Vidya Mandir — Kolkata, West Bengal

2021, 2019

Class XII (Commerce Stream): 2021 — CBSE

Class X: 2019 — CBSE

Certifications

Java Programming: Great Learning.

Cloud Foundations: Great Learning.

Leadership & Volunteering

Executive Head, Genesis

Jun 2023 – Jun 2024

- Led a team of 150 members to organize Departmental Cultural fest & inhouse events, attracting 500+ participants.
- Spearheaded sponsorship initiatives, securing amount of 1,50,000+ in funding from local businesses.

Core Member, Ankuran

Jun 2022 – Jun 2024

- Partnered with 10+ committee heads to successfully deliver & organize College Cultural fest & inhouse events, attracting 1500+ participants.
- Mentored a sub team of 80+ juniors in event management.
- Coordinated inter-college competitions, with 300+ registrations per event.