Himanshu Singh

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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.

PROFESSIONAL EXPERIENCE

ADVANCED COMPUTER RANCHI

Freelance Web Developer | Feb 2025 - Jun 2025
- Developed the website for a client using **React** and **Tailwind CSS**.
- Increased page load speed by 30% by **optimizing React components**.

RESEARCH

EIRIS SCAN FOR DISEASE PREDICTION USING MACHINE LEARNING

Artificial Intelligence & machine learning | jul 2025 - Present
- Developed ML models for **disease prediction** using **EIRIS scan data**.
- **Optimized** image classification **algorithms** to improve diagnostic **accuracy** in radiology scans.

INTELLIGENT SLA & REAL-TIME NETWORK MONITORING

Cloud Computing | Aug 2024 - may 2025
- Developed an **intelligent risk assessment model** for Service Level Agreement (SLA) management in cloud computing.
- Developed an ML-based model with **reinforcement learning** to predict and prevent SLA violations.

PROJECTS

WILDLIFE CONSERVATION WEB APP | Backend Developer
- Used **Java Servlets** for backend logic and **Derby DB** for storage.
- Optimized database operations, reducing the data load time by 30% and improving overall performance.

CAR CATALOG SYSTEM | Full-Stack Developer
- Built a car catalog with **React frontend** and **Spring Boot backend**.
- Added **filtering and sorting** features to enhance user experience.

EDUCATION

VELLORE INSTITUTE OF TECHNOLOGY

Master of Computer Applications | Jul 2024 - Present
Vellore, Tamil Nadu
CGPA: 7.8/10.0

TECHNO INDIA KOLKATA

Bachelor of Computer Applications | Jun 2021 - Jun 2024
Kolkata, West Bengal
CGPA: 7.9/10.0

HARIYANA VIDYA MANDIR

Higher Secondary & Secondary Education | (2021, 2019)
Kolkata, West Bengal

TECHNICAL SKILLS

PROGRAMMING LANGUAGES
Java • Python • JavaScript • C

FRONTEND DEVELOPMENT
Angular •React • HTML5 • CSS3 • Bootstrap

BACKEND DEVELOPMENT
Node.js • Express.js • Spring Boot • Java Servlets

DATABASES
MongoDB • MySQL

DATA SCIENCE & TOOLS
Anaconda • Jupyter Notebook • Pandas • NumPy • Matplotlib • Scikit-learn

DSA & PROBLEM SOLVING 250+
CodeChef • HackerRank • LeetCode

TOOLS & IDES
Git • REST APIs • Postman • Compass • Nmap • WireShark • Zap • Kali Linux • VS Code • NetBeans • Microsoft Office

CERTIFICATES

Java Programming - Great Learning
Cloud Foundations - Great Learning

LEADERSHIP

Executive Head, Genesis | May 2024
Core Member, Ankuran | Jun 2024