

Harshit Singh

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LinkedIn • GitHub • Portfolio

Summary

Full-stack developer with strong experience in AI integration, MERN stack development, and transformer-based architectures. Skilled in building scalable systems, cost-efficient deployments, and production-ready academic and commercial applications.

Education

K.R. Mangalam University, Gurugram, Haryana

2024–2028 (Expected)

B.Tech in Computer Science & Engineering

Relevant Coursework: Machine Learning, Neural Networks, Data Structures, DBMS, Operating Systems

Delhi Public School, Sector 45, Gurugram, Haryana

2017–2023

CBSE Board (Class XII)

Experience

ProjexaLMS — Project Lifecycle Management System

Jun 2024 – May 2025

K.R. Mangalam University (SOET), Gurugram, Haryana • Worked under Prof. (Dr.) Pankaj Agarwal — Dean, SOET

- Co-developed backend modules for an LMS used by **1,000+ students** and **30+ faculty** across the university.
- Built secure authentication with JWT and Redis-based sessions, reducing login latency by **40%**.
- Automated Excel/PDF report generation using pandas, openpyxl and reportlab, cutting administrator workload by **70%**.
- Designed scalable REST APIs for mentor allocation, project submission, evaluation and tracking across **20+ departments**.
- Integrated PostHog analytics instrumentation to deliver real-time insights to administrators.

EdTech Informative — Website & Lead Management System

2024

London, United Kingdom • Reporting to Yashdeep Rana (CEO)

- Developed a full EdTech platform with custom CMS, reducing content update time by **85%**.
- Built a lead-management system enabling tracking of **5,000+ monthly leads**, improving follow-up efficiency by **75%**.
- Integrated Razorpay & PayPal for secure international payments, increasing conversion rate by **22%**.
- Deployed production system on a VPS with optimized backend and secure APIs, achieving **99.9% uptime**.

College of Fishery (N.D.V.S.U), Jabalpur — Official Website

2024

Livestock Farm (N.D.V.S.U), Near Adhartal Talab, Adhartal, Jabalpur, Madhya Pradesh – 482004, India

- Delivered a fully dynamic college website with secure CMS for managing departments, announcements, media and academic content.
- Enabled non-technical staff to update content independently, reducing IT support requests by **95%**.
- Designed database schema supporting **15+ departments** and thousands of media assets.
- Optimized UI for low-end devices, improving load times by **45%**.

Technical Skills

- **Backend:** Flask, Node.js, Express.js, REST APIs, JWT Authentication, Redis Sessions
- **Frontend:** React.js, Tailwind CSS
- **Databases:** MongoDB, Redis
- **Payments & Integrations:** Razorpay, PayPal, Webhooks
- **Automation & Reporting:** pandas, openpyxl, reportlab
- **Deployment:** Linux Servers, VPS Hosting, Nginx, Git
- **Languages:** Python, JavaScript, HTML/CSS