

YASH PARMAR

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PROFESSIONAL SUMMARY

Software Engineer with experience building and scaling production systems (4K+ users, designed for 50K+) across ed-tech and event platforms. Skilled in backend architecture, system design, and cloud deployment, with hands-on experience in high-concurrency systems, RBAC, and performance optimization.

EDUCATION

Vidyalankar Institute of Technology, Mumbai

2024 – 2027

B.Tech in Computer Engineering

CGPI: 9.53 | Honours: AI & ML

Coursework: Data Structures & Algorithms, OOP, Operating Systems, DBMS, Computer Networks, Distributed Systems

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, C/C++, SQL

Backend: Node.js, Express.js, NestJS, Django, Flask, FastAPI

Frontend: React.js, Next.js, TypeScript, Tailwind CSS

Databases: PostgreSQL, MongoDB, Firestore, MySQL AI/ML: TensorFlow, PyTorch, Scikit-learn, XGBoost, NLP

Cloud & DevOps: AWS, Azure, GCP, Docker, Git, Linux, TerraForm, Github Actions

EXPERIENCE

Aarya Global Consulting — Software Engineer (Full Stack Intern)

Jan 2026 – Present

- Led end-to-end development of AGCL Exams (CBT platform) and Chaitanya Events (NGO platform), owning architecture, DB schema, APIs, and frontend.
- Built scalable systems supporting 4K+ users (designed for 50K+), handling high-concurrency scenarios like live exams and event registrations.
- Optimized performance using indexing, pagination, Redis caching, and batch processing; improved API efficiency under load.
- Designed RBAC systems with dynamic role-based permissions; implemented JWT/OAuth authentication.
- Deployed backend on AWS EC2 using Docker and Nginx load balancing; set up CI/CD with GitHub Actions.

ThumbLab — Full Stack Developer

Nov 2024 – Jan 2026

Mumbai, Maharashtra | Remote

- Lead technical operations for a creative tech studio, building high-performance web products using Next.js, React.js, and Node.js.
- Delivered ThumbLab's official site and multiple client platforms with 90+ Lighthouse performance and accessibility scores.

KEY PROJECTS

NOIR – Full Stack E-Commerce Platform | React.js, Django DRF, PostgreSQL, Payment Integration

Jan 2026

- Developed a full-stack e-commerce platform with product listings, authentication, cart, and order management using React.js and Django DRF.
- Implemented secure payment integration with backend order validation to ensure reliable and consistent checkout flow.

Zuno – Real-Time Video Conferencing Platform | React.js, WebRTC, Node.js, MongoDB

Dec 2025

- Built a low-latency real-time video conferencing platform supporting multi-user communication using WebRTC and scalable signaling architecture.
- Implemented a scalable backend for secure signaling and session management.

LangSQL – AI-Powered SQL Generator | Python, Node.js, Django, TensorFlow

Mar 2025

- Implemented NLP pipeline converting natural language into optimized SQL queries, reducing manual query creation by 50%.
- Integrated TensorFlow semantic parser and deployed through Django REST APIs.

EduAI – Adaptive Learning System | MERN, Python, Firebase

Feb 2025

- Built modular e-learning platform with AI-driven personalized learning paths and analytics.
- Deployed frontend/backend across Render and Firebase; synchronized analytics for unified performance tracking.

StockSage AI – Predictive Analytics Platform | Next.js, Flask, XGBoost

Nov 2024

- Trained hybrid ML models (XGBoost + Random Forest) on financial datasets; improved prediction accuracy by 12%.
- Integrated ML pipeline with Flask API and deployed interactive UI via Vercel.

ACHIEVEMENTS & CERTIFICATIONS

Smart India Hackathon 2024 – Selected among top 30 teams for national submission · Quasar 3.0 Finalist · Inspiron 4.0 Finalist · IIM Business Management Certification (2025) – Strategic Leadership in Tech · AWS Cloud Practitioner (2025) · Open Source Contributor (10+ PRs)

PROFESSIONAL SKILLS & INTERESTS

Core Strengths: Debugging complex systems, optimizing algorithms, collaborative development, scalable backend architecture, ML model integration, and delivering maintainable production systems.

Interests: Applied AI, LLMops, Open Source Development, Distributed Computing, and Scalable Software Design.