

# YASH PARMAR

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## PROFESSIONAL SUMMARY

Software Developer focused on building intelligent, scalable, and production-ready systems that combine AI, backend logic, and distributed architectures. Proficient in Python, Java, and system-level programming with a solid foundation in data structures, algorithms, and software design. Experienced in developing, optimizing, and releasing solutions across multiple cloud environments.

## 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, C/C++, Java, JavaScript, SQL

**Frameworks & Libraries:** Flask, Node.js, TensorFlow, PyTorch, React.js

**Concepts:** Algorithms, System Design, Machine Learning, APIs, Cloud Computing

**Tools:** Git, Docker, Linux, GCP, PostgreSQL, MongoDB

## EXPERIENCE

**ThumbLab — Co-Founder & Technology Lead**

Oct 2025 – Present

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.
- Align technology with design and storytelling to create seamless, responsive, and scalable digital experiences.

**Freelance Software Developer | Remote**

Jan 2024 – Oct 2025

Developed scalable, AI-integrated web systems emphasizing performance and maintainability.

- Built 5+ production systems using Flask and Node.js; optimized API latency by 40%.
- Designed secure REST APIs (JWT, OAuth2) and automated CI/CD pipelines on GCP and Azure.

## KEY PROJECTS

**Smart Inventory Management System** | Flask, PostgreSQL, Chart.js

Oct 2025

- Automated stock tracking and analytics for 500+ records; improved reporting accuracy by 35%.
- Hosted the system on Azure App Service and configured monitoring and scheduled backups for reliability.

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

Mar 2025

- Implemented an NLP pipeline that converts natural language into optimized SQL queries, reducing manual query writing by 50%.
- Incorporated a TensorFlow-based semantic parser and published the service via Django REST endpoints.

**EduAI – Adaptive Learning System** | MERN, Python, Firebase

Feb 2025

- Built a modular e-learning platform featuring AI-driven learning-path customization and progress analytics.
- Launched frontend and backend components on Render and Firebase; merged 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%.
- Blended ML models with a Flask API and released the web interface via Vercel for real-time demonstrations.

## ACHIEVEMENTS & CERTIFICATIONS

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

## PROFESSIONAL SKILLS & INTERESTS

**Core Strengths:** Debugging complex systems, optimizing algorithms, collaborative development, and delivering maintainable software under deadlines.

**Interests:** Systems Programming, Applied AI, Open Source Development, and Scalable Software Design.

## TECHNICAL HIGHLIGHTS

- Designed and released 10+ end-to-end systems incorporating AI and backend logic.
- Strong understanding of OS, DBMS, and distributed architectures with hands-on Docker and CI/CD expertise.
- Focused on building intelligent, efficient, and scalable systems blending automation with human-centered design.