Mansvi Kumar

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Education

Lovely Professional University, Punjab, India — Aug' 2023 – Present
Bachelor of Technology in Computer Science and Engineering — CGPA: **8.6**

Bihta Public School, Patna, Bihar — Apr' 2021 – Mar' 2022
Intermediate — Percentage: **76.4%**

Foundation Academy, Patna, Bihar — Apr' 2019 – Mar' 2020
Matriculation — Percentage: **90.8%**

Experience

Summer Training — Mobile Application Development using Flutter | Certificate — Jun' 2025 – Jul' 2025
Trainee Developer

- Developed and deployed **Flutter-based applications** using **a micro-services architecture** handling planning, feature development, and multi-platform testing for responsiveness and errors.
- Gained hands-on experience as developer on **flutter doc's**, **pre-built libraries** and **UI themes** for scalable application layout in various devices incorporating **unit-testing** and maintaining **code quality**.
- Contributed on **a cross platform web application** to manage document approval, audit history resulting in improved collaboration and workflow management for organizations.

Projects

SADHN — Skill and Development Hub Network | MERN, Docker, Nginx — Oct' 2025 – Dec' 2025
GitHub Live

- Architected a Skill India initiative platform with **3-tier RBAC**, **JWT token-based authentication** and **real-time Socket.IO notifications** across **11 REST API modules**; deployed via **GitHub CI/CD** to **Vercel** and **Render**.
- Implemented **a multi-factor weighted job-matching algorithm**, **efficient keyword-based search** in MongoDB with **compound indexes**, **aggregation pipelines** for analytics dashboards, **a transactional email service,** and **30+ lazy-loaded React pages** with **suspense-based code splitting**.
- Designed a **containerized 3-service architecture** with **Nginx reverse** proxy handling API/WebSocket routing, **dual notification delivery**, **TTL-based auto-expiry schedulers**, and **status workflow management**; achieved **zero-downtime deployments** , reducing manual maintenance by **50%**.

Docket — Document Control Application | Flutter, Supabase, Firebase — May' 2025 – Jun' 2025
GitHub Live

- Developed a **document control application** using **Flutter** and **Supabase PostgreSQL**, featuring **4-tier role hierarchy** with **authentication** and **role-based route guards** across **5 navigation endpoints**.
- Engineered **3 micro-service modules** executing **18+ CRUD operations**, supporting a **multi-reviewer approval system** with **4-state workflow tracking** and **reactive auth listeners** via **Dart StreamSubscription**.
- Delivered production deployment through **GitHub Actions pipeline** to **Firebase Hosting**, managing **26 Dart modules**, **9 widget components**, and **environment-injected secrets**; enabled **dual-theme switching** with **Provider state management** and **multi-platform UI** for consistent UX across mobile, web, and desktop, increasing efficiency by **70%**.

Technical Skills

Languages: Java, C++, JavaScript, Python, PHP
Frameworks & Libraries: Next.js, Flutter, React.js, Node.js, TailwindCSS
Tools & Platforms: Docker, AWS, Firebase, Vercel, MySQL, MongoDB, Postgres
Core CS Skills: DSA, OOPs, DBMS, OS, Computer Network, System Design

Certifications

- Generative AI Professional — **Oracle** — Aug' 2025
- Frontend Development Libraries — **FreeCodeCamp** — May' 2025
- Introduction to Machine Learning — **IIT Madras** — Apr' 2025
- Java and Python — **HackerRank** — Feb' 2025

Achievements & Extra Curricular Activities

- Solved 400+ problems across **LeetCode**, **Codeforces**, and **HackerRank**. — Dec' 2025
- Earned top badges on LeetCode and **5-star ratings** in Java and C++ on HackerRank. — Aug' 2025
- Secured **top 10 team** rank in a CTF competition among 200+ participants. — Sep' 2024