Pankaj Kumar

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Portfolio: pankajkumar-ruddy.vercel.app/

EDUCATION

- **Indian Institute of Information Technology Vadodara ICD** — Diu, India
  Bachelor of Technology - Computer Science and Engineering — Nov 2022 - Present
  - Relevant Courses: Database Management Systems (DBMS), Algorithms, Operating Systems, Software Engineering, Data Structures, Computer Networks.

SKILLS

- Languages : C, C++, JavaScript, Python, SQL
- Frontend : HTML, CSS, SCSS, React.js, Nextjs*,Tailwind CSS, Redux
- Backend : Node.js, Express.js, REST APIs, JWT Authentication, Clerk
- Database : MongoDB, RedisDB, MySQL, Mongoose
- DevOps & Others : Git, GitHub, Docker

EXPERIENCE

- **SapmenC** ❋ 📄 — Remote
  Fullstack Software Developer (Internship) — Mar 2025 – Sep 2025
  - Developed an invoicing system in **Upshot** with CRUD operations, email delivery via **Nodemailer + Mailtrap**, and real-time analytics using **Recharts**, streamlining billing for **100+ users**.
  - Built an e-commerce admin panel with **JWT authentication**, product CRUD, and media handling via **Cloudinary + MongoDB**, cutting admin effort by **60%**.
  - Increased brand–influencer engagement by **45%** through a campaign platform with role-based dashboards, progress tracking, and real-time insights for **200+ users**.

- **NxtWave** 🔗 — Online
  Teaching Assistant (Python Programming) — Jul 2024 – Oct 2024
  - Resolved **297+** Python-related queries for **194+ CCBP learners**, improving conceptual understanding and problem-solving skills in an online setting.

PROJECTS

- **JustDo** ○ 🔗 — April 2025 – May 2025
  Full-Stack Application — React, Node.js, Express, MongoDB, Docker, Redis
  - Accelerated API response time from **128ms to 8ms** via **Redis caching**, delivering a **15x backend performance**.
  - Containerized and deployed services using **Docker**, implementing **MVC architecture** to ensure maintainability and scalability.
  - Engineered a full-stack task management app with secure **JWT authentication, authorization**, and **CRUD features**, supporting **100+ active users**.

- **ChatNovaAi — Real-time Multilingual Chat App** ○ 🔗 — Dec 2024 – Jan 2025
  Full-Stack Web Application
  - Built a real-time multilingual chat app with **React, Node.js, Express, and MongoDB**, using **Socket.io** to enable low-latency communication across clients.
  - Integrated **Groq API** for on-the-fly language translation, supporting seamless interaction between users across **10+ languages**.
  - Implemented secure **JWT-based authentication** and optimized MongoDB schema to handle high-throughput message translation and delivery.
  - Enhanced frontend efficiency by optimizing state management, reducing re-renders, and ensuring a smooth real-time chat experience for **100+ concurrent users**.

- **MealMate — Food Recipe App** ○ 🔗 — Oct 2023 – Dec 2023
  Full-Stack Web Application (Team Project)
  - Developed a full-stack recipe platform using **HTML, CSS, Bootstrap, JavaScript**, and backend services with **JWT authentication** and **REST APIs**, following the **MVC architecture**.
  - Implemented secure **CRUD features** (user registration, login/logout, profile management, recipe upload/edit) supporting **50+ active users**.
  - Collaborated in a team of 4 to design a responsive UI and optimize database queries, reducing page load time by **30%**.

HONORS AND CERTIFICATES

- Runner-Up, **Hack IIITV 2023** — Built a functional prototype in a 24-hour sprint at IIIT Vadodara (Mar 2024).
- **Responsive Web Design Certificate** — Nxtwave — Certificate
- **Fundamentals of Deep Learning Certificate** — NVIDIA — Certificate
- **Model Context Protocol (MCP) — Mega Workshop** — Nxtwave — Certificate
- **Building & Deploying Apps on AWS — Mega Workshop** — Nxtwave — Certificate