

Technical Skills

Languages: Python, C++, C, JavaScript, TypeScript
Frontend Development: Next.js, React.js,Tailwind CSS,Framer Motion
Backend & API: FastAPI, Rest API, Node.js, Express.js
Databases: PostgreSQL, MongoDB, Redis
Developer Tools: Docker, Git & GitHub, VSCode, Vercel (CI/CD), ChatGPT
Python Library: Pandas, Numpy

Work Experience

Klugsys, Germany, Aachen

-Aug 2025- current

- Backend Developer | Python, FastAPI, Redis, Docker, SQLAlchemy, PostgreSQL
- Developed and maintained scalable REST APIs using FastAPI, ensuring high performance and adherence to clean architecture principles.
 - Optimized Docker images and container workflows by applying multi-stage builds, reducing image size and build time while improving deployment efficiency.
 - Designed and executed complex SQL queries and database operations in PostgreSQL, including indexing, query tuning, and schema updates to improve performance..
 - Implemented API versioning, dependency injection, validation, and async patterns to ensure reliability, maintainability, and scalability.
 - Improved system performance and workflow efficiency by refactoring code, eliminating bottlenecks, and implementing async patterns where applicable.

DS Energize, Noida , New Delhi

-Jan 2025 - Aug 2025

- Full Stack Web Developer | Next.js,Typescript, Reactchart, Socket.io, MongoDB, MQTT, AWS
- Collaborated with a cross-functional team to design and implement an IoT-enabled web application for real-time data integration and visualization.
 - Developed and optimized backend services to asynchronously fetch real-time data from databases, ensuring seamless, low-latency communication with the frontend.
 - Engineered robust data parsing logic to transform raw IoT logger data into structured, readable formats, improving data usability and storage efficiency.
 - Contributed to secure and scalable database design, supporting reliable storage and retrieval of high-frequency IoT-generated data for real-time applications.
 - Integrated IoT protocols and principles with modern web technologies to enable efficient data transmission between hardware devices and the web interface.
 - Assisted in developing a responsive, user-friendly frontend for real-time IoT data visualization.

Noveracian Global, Pune , Maharashtra

-June 2023 - Mar 2024

- Frontend Developer | React.js , Node.js, Express.js , MongoDB
- Developed and implemented user interfaces using React.js, enhancing application responsiveness and user experience across various devices.
 - Optimized user interface design, reducing user complaints by 20% and increasing user satisfaction.
 - Identified and resolved bugs in the codebase, decreasing unresolved issues by 25% and ensuring smoother application performance.
 - Collaborated with the development team to refine user-centric design elements, improving overall user engagement and satisfaction.

PROJECTS

- AI Generated PDF Summary | Next.js, Typescript, Open AI, UploadThings, LangChain, Zod [View Project](#)
- Built a full-stack AI web app using Next.js, TypeScript, and OpenAI GPT to automate PDF summarization, cutting manual reading time by 80%.
 - Integrated LangChain, Zod, and UploadThing for secure data processing, type-safe validation, and efficient file uploads.
 - Designed a responsive, accessible UI with Tailwind CSS, enhancing cross-device user experience.
 - Optimized API performance for sub-3-second summary generation and deployed on Vercel with CI/CD, achieving 99.9% uptime.

- BuyFresh - E-commerce Website | React.js, Redux, Express.js, MongoDB, Tailwind [View Project](#)
- Designed and developed a scalable e-commerce platform with MERN stack, including user authentication and a feature-rich admin dashboard.
 - Improved UI responsiveness by 25% using efficient state management and component-based architecture.
 - Reduced page load times by 20% through rendering optimizations and minimized network requests.
 - Boosted database query performance by 30% with advanced indexing and query optimization techniques.
 - Enhanced API and middleware efficiency, streamlining backend operations for better system performance.

EDUCATION

NGF College of Engineering and Technology

B.Tech in Computer Science

Palwal, Haryana |

2019 - 2023