

Shashank Kumar

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EDUCATION

National Institute of Technology

Bachelor of Technology in Information Technology

Kurukshetra, IN

Nov. 2022 – Present

CGPA: 9.1/10

New Digamber Public School

High School Diploma in PCM Stream

Indore, IN

April 2022

Class XII: 96.2% Class X: 92.2%

EXPERIENCE

AI Engineer Intern

June 2024 - August 2024

NeoSapien

- Spearheaded AI integration for Neo OS by implementing Groq, Claude, and DeepGram models, enhancing system efficiency by 20%.
- Optimized language model performance through advanced fine-tuning techniques for models like Llama3 using Unsloth AI, resulting in significant improvements in accuracy and functionality.

Software Engineering Intern

June 2025 - July 2025

Impetus Technologies

- Built a full-stack Canteen Management App to streamline operations for employees and admins.
- Developed role-based dashboards, digital passbook, daily inventory reset cron job, and secure login.
- Wrote unit tests using Jest and React Testing Library, achieving over 90% test coverage via Istanbul reports.

PROJECTS

Chattr - Real-Time Chat App | React, Node.js, Socket.IO, MongoDB, Tailwind CSS, Zustand

Jan. 2025

- Built a full-stack chat application with real-time messaging, direct messages, group channels, and file sharing using Socket.IO and MongoDB.
- Implemented secure JWT-based authentication, protected routes, and profile management with image uploads via Cloudinary.
- Designed a responsive, modern UI using Tailwind CSS, Zustand for state management, and Radix UI for accessible components.

MediBot - AI-Powered Medical Assistant | Python, LLaMa 3, Streamlit, LangChain, Groq, Deepgram

July 2024

- Built an AI assistant using LLaMA 3 and voice input for hands-free, real-time medical web searches.
- Integrated memory retention of past conversations for personalized responses and decision-making on when to perform web searches.
- Built a user-friendly, dynamic interface with Streamlit, offering a seamless experience for users.

Bloggify | HTML, CSS, Express JS, Node JS, EJS, MongoDB

Dec. 2023

- Built a responsive blogging app with EJS for dynamic and personalized content rendering.
- Enabled full CRUD operations for creating, editing, and deleting blog posts.
- Developed backend with Node.js, Express, and MongoDB for scalable data storage and management.

TECHNICAL SKILLS

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

Frameworks: Bootstrap, JQuery, Matplotlib

Frontend: React JS, EJS, CSS, HTML

Backend/Database: Node.js, Express.js, Next.js, MongoDB, MySQL, Socket.IO

Machine Learning: LangChain, Keras, Scikit-Learn, Pandas, NumPy

Developer Tools: Git, VS Code, IntelliJ, GitHub, REST APIs, React Testing Library, Postman

ACHIEVEMENTS

- 3 star coder on CodeChef; Pupil on CodeForces
- Solved 750+ coding problems across platforms like LeetCode, Coding Ninjas, and GeeksForGeeks.