

# Shashank Kumar

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## EDUCATION

### National Institute of Technology

Bachelor of Technology in Information Technology

Kurukshetra, IN

Nov. 2022 – Present

CGPA: 9.26/10

### New Digamber Public School

High School Diploma in PCM Stream

Indore, IN

April 2022

Class 12th Percentage: 96.2%

Class 10th Percentage: 92.2%

## EXPERIENCE

### AI Engineer Intern

June 2024 - August 2024

NeoSapien

- Spearheaded AI integration for Neo OS, leveraging cutting-edge models like Claude, Groq and DeepGram to enhance system capabilities.
- Optimized language model performance through advanced fine-tuning techniques for models like Llama3 using Unsloth AI, resulting in significant improvements in accuracy and functionality.

## PROJECTS

### FullStack Discord Clone | Next.js, React, Socket.io, Prisma, Tailwind CSS, MySQL

June 2024

- Developed a full-stack discord clone using NextJS and React with Tailwind CSS providing a modern and responsive interface.
- Implemented real-time messaging with Socket.io, secure user authentication with Clerk and, audio and video calling features using live-kit.
- Designed and optimized database schema with Prisma and MySQL, enhancing data integrity and performance.

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

Dec. 2023

- Developed a responsive blogging web application using HTML, CSS, and EJS for dynamic and personalized content rendering.
- Enabled users to compose, delete, and edit blogs with full CRUD functionalities, enhancing user engagement and interaction.
- Implemented the backend with Node.js and Express.js, providing a scalable server environment, and also integrated MongoDB for efficient data storage and retrieval, management of blog posts.

## ACADEMIC PROJECTS

### CPR Feedback device (Guided by Prof. Shweta Sharma)

Nov. 2023

- Led a cross-functional team of five members in the development of a CPR feedback device under the guidance of Professor Shweta Sharma.
- Implemented advanced features using an Arduino Uno R3 board, pressure sensor, LEDs, and a 16x2 LCD display to provide real-time, accurate feedback on the quality of CPR (Cardiopulmonary Resuscitation) being administered.

## 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

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

**Developer Tools:** Git, VS Code, IntelliJ, GitHub, RestAPI

## ACHIEVEMENTS

- 3 star coder on Codechef
- Have solved 450+ questions on numerous platforms(Leetcode, Coding Studios, GFG etc)