NIKHIL KUMAR

STUDENT

CONTACT

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🌐 https://3-d-portfolio-sooty.vercel.app/

🌐 https://github.com/WhiteSnek

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📍 Delhi, India

TECHNICAL SKILLS

- **Languages:** Javascript, C/C++, GoLang, Python,Typescript
- **Frontend:** HTML,CSS,JavaScript,React.js, Redux, Material UI, Framer motion, Tailwind, GSAP, Three.js
- **Backend:** Nodejs, Express, GoLang, Socket.io, WebRTC, GraphQL, Postman
- **Database:** MongoDB, Postgres, MySql, Redis
- **Data Analysis:** Numpy, Pandas, Seaborn
- **Computer vision:** opencv
- **DevOps:** AWS, Docker, Kubernetes, Jenkins
- **Tools:** Git,GitHub, Docker Daemon, Postman
- **Domains:** Full Stack Development, Front end Development, Backend Development, Data Analysis, DevOps
- **Other Skills:** DSA in C++

EDUCATION

B.Tech in Computer Science

Bhagwan Parshuram Institute of Technology   2022-Present
GPA: 8.6

Experience

Full stack trainee at Bhagwan Parshuram Institute of Technology
June 2024 - July 2024

- Developed an Achievement Management Website using the MERN stack
- Implemented key features like user authentication, dynamic achievement tracking, and an admin panel for managing user achievements.
- Collaborated with faculty and students to gather requirements and ensure the platform met their needs.
- Enhanced website performance and user experience through efficient coding practices and responsive design.
- Gained hands-on experience in full-stack development and project management.

Projects

Custom Dish Delivery App   Node js, Express js, MongoDb, Reactjs,Redis

- Developed a food delivery application that allows users to customize their orders by adjusting ingredients like salt, sugar, chili, and more to their taste.
- Designed and implemented a user-friendly interface that simplifies the meal customization process, offering users greater control over their orders.
- Optimized the ordering workflow, ensuring that customizations are processed efficiently without compromising speed or performance.
- Enhanced user satisfaction by providing personalized meal options, leading to increased user engagement and positive feedback.

Link: https://custom-dish-5o64.vercel.app/

Gametube   React with TS, Golang, Postgres, S3, SQS, Docker, ffmpeg

- Developed GameTube, a YouTube-like platform for gamers, using React with TypeScript for the frontend, Go for the backend, and PostgreSQL as the database.
- Implemented a sophisticated video transcoding pipeline by temporarily uploading videos to S3, triggering an SQS message, and spinning up Docker containers for transcoding using FFmpeg.
- Engineered a robust backend system that efficiently handles video processing, storing the transcoded videos in a separate S3 bucket, and updating the video URL in the PostgreSQL database.
- Optimized the video upload and processing workflow, ensuring high performance and reliability, even with large video files.
- Leveraged cloud technologies (AWS S3, SQS) to create a scalable and cost-effective solution for handling video content in real-time.

Link: https://gamingtube.onrender.com