

SHIVANSHU KASHYAP

Supaul, Bihar-852138

📞 +91-8252636773

✉️ shivanshukashyap996@gmail.com

🌐 [ShivanshuKashyap](#)

🔗 [ShivanshuKashyap](#)

Education

Rajiv Gandhi Institute Of Petroleum Technology

B.Tech. in Information Technology

Oct. 2022 – June. 2026

till 4th sem, CPI: 7.86

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Artificial Intelligence
- OOPS
- Operating System
- Database Management
- Web Technology
- Computer Architecture

Projects

Aptaksh | *TypeScript, React, Three.js, MongoDB, Node.js, Express.js* 🌐 **December 2024**

- Created an interactive, 3D portfolio platform utilizing TypeScript and Three.js, boosting user retention and engagement by 40%.
- Optimized rendering and state management with React Three Fiber, achieving a high 95% Lighthouse performance score and a seamless experience across devices.
- Integrated MongoDB for efficient project data storage, enabling real-time updates and filtering. This implementation reduced load times by 40% and supported responsive content rendering, resulting in a 35% increase in portfolio engagement metrics.

Food Recognition and Calorie Estimation | *Python, TensorFlow, Keras, BeautifulSoup, Gradio* 🌐 **November 2024**

- Built a deep learning-powered food recognition tool with TensorFlow and MobileNetV2, achieving a 95% accuracy in food classification.
- Designed an intuitive interface with Gradio, enabling users to easily input food images for instant calorie estimation, improving user experience and engagement by 55%.
- Automated data collection using BeautifulSoup, reducing data processing time by 30% and enhancing the overall efficiency of the application.

Safemine | *React, Tailwind, MongoDB, Node.js, Express.js, Cloudinary* 🌐 **October 2024 - Present**

- Developed a robust mining management platform using the MERN stack, achieving a 30% enhancement in operational workflows while ensuring compliance with DGMS regulations.
- Engineered a bilingual (English/Hindi) interface, incorporating automated risk assessments, report generation, and real-time alerts, resulting in a 25% reduction in safety-related incidents.
- Integrated Cloudinary for scalable media handling, optimizing content delivery speeds and overall user experience.

Castify | *React, Tailwind, MongoDB, Node.js, Express.js, Cloudinary* 🌐 **September 2024 - Present**

- Developed a full-stack media sharing platform with the MERN stack and Cloudinary, scaling video upload capacity by 60% and ensuring 99.9% uptime for 1000+ concurrent users.
- Implemented adaptive user profiles and content discovery features, leveraging React and Tailwind CSS to optimize UI/UX and enhance interactivity.
- Implemented MongoDB for efficient data management, resulting in 45% faster query response times and enabling real-time user profile updates, which increased user engagement by 30%.

Technical Skills

- **Languages:** Python, C++, C, HTML/CSS, JavaScript, TypeScript, SQL
- **Web Development:** React.js, Tailwind CSS, Node.js, Express.js, HTML5, CSS3, Bootstrap, Firebase
- **AI Machine Learning:** TensorFlow, Keras, OpenCV, NumPy, Matplotlib
- **Cloud Deployment:** AWS, Cloudinary, Docker
- **Tools:** Git/GitHub, VS Code, Google Colab, Kaggle API
- **Technical Proficiencies:** Analytical Reasoning, Cross-functional Collaboration, Continuous Learning

Leadership / Extracurricular

- **Top 2% in IIT JEE (JEE Advanced) 2022** among 10 lakh students.
- **200+ DSA problems solved** on LeetCode and GeeksForGeeks.
- **Reliance UG Scholarship '23** awardee.
- **Teaching Volunteer, Gyanarpan, RGIPT.**
- **Teaching Assistant, Engineering Graphics** — RGIPT, September 2024