

# JASHVEER SHARMA

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## EDUCATION

### • KIIT (Kalinga Institute Of Industrial Technology) University

Bhubaneswar, Odisha

Bachelor of Technology in Computer Science Engineering

Aug 2024 – May 2028 (expected)

- 1st Term SGPA: 7.48
- 2nd Term SGPA: Awaiting result

Aug 2024 - Nov 2024

Dec 2024 - May 2025

## EXPERIENCE

(Currently no professional experience — actively building projects and participating in hackathons)

## PROJECTS

### SplitMitra (Completed: June 2025 — built in 7 days)

- Smart and easy-to-use expense tracker and bill-splitting app for friends, roommates, and groups.
- Tracks payments, splits costs fairly, and provides a clean, intuitive interface.

### Portfolio Website (Completed: June 2025 — built in 5 days)

- Personal portfolio showcasing projects, skills, and hackathon participation.
- Built using React and Tailwind CSS, hosted on Netlify, with clean UI and responsive design for all devices.

### QRYPT (Estimated completion: Dec 2025 — initial MVP in 6 days)

- Real-time quiz battle platform integrating AI-powered reputation scoring and blockchain-based on-chain rewards.
- Features live multiplayer quiz battles, dynamic difficulty scaling, user reputation analytics, and on-chain reward distribution to incentive fair play and knowledge sharing.
- Additional work includes integrating ranking algorithms and designing an adaptive reward model.

### Snest (Planned completion: Jan 2026)

- Smart college resale platform where students can buy, sell, and discover secondhand products within their campus.
- Features AI-based product verification, condition scanning, location-based listings; creating a trusted marketplace for student communities.
- Currently in progress — actively building core features and UI.

### Vale Nova (Planned completion: Aug 2026)

- AI-powered video transformation platform focusing on advanced face detection, identity-based face swapping, and real-time video enhancements.
- Built entirely from scratch to deliver cutting-edge tools for intelligent video editing using deep learning and computer vision.

### InfroScope – Forest Fire Simulation Platform (BAH 2025) (Planned completion: 8 July 2025)

#### • React, Leaflet, Python, GDAL, Rasterio, U-Net, CartoDEM, VIIRS

Developing an AI-powered geospatial platform for **BAH 2025** to simulate forest fire spread using real-time satellite data and ML.

- Parsed 80K+ VIIRS fire points and merged 200+ CartoDEM tiles for 30m-resolution raster generation.

- Built a web app with **interactive map tools**, fire overlays, and GeoJSON export/import.
- Integrated AI models (U-Net, LSTM) using terrain, vegetation, weather, and human impact layers.
- Enables dynamic scenario simulation with uncertainty and risk visualization.

## PROGRAMMING SKILLS

- **Languages:** Java, Python, C (learning phase), JavaScript.
- **Technologies:** Node.js, React, Tailwind CSS, Firebase, MongoDB, Git, Docker, Postman, Vercel/Netlify.
- **Learning:** AI/ML fundamentals, DSA (arrays, strings), GATE preparation.

## LINKS

GitHub: <https://github.com/jashveer-sharma>

Portfolio: <https://jashveersharma-portfolio.netlify.app>