

VISHNU S

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Professional Summary

Third-year Computer Science Engineering student with strong analytical and problem-solving skills. Passionate about technology, with hands-on experience in software development, AI, and web applications. Quick learner, eager to contribute to innovative projects.

Experience

NIT Calicut – Research Intern (Apr-July 2025)

- Worked on **Generative AI for Document Understanding** with a focus on **Handwritten Character Recognition**.
- Built **Vision Transformer (ViT)-based models** for **Handwritten** text and a **React web app** for image-to-text transcription.
- Collaborated with a 3-member team handling **Malayalam, Hindi, and Telugu**.

Projects

Social Impact Prediction Platform (SIPP)

- Developed an AI-driven platform to analyze the impact of social projects.
- Utilized **React.js, JavaScript, and AI-based learning models, including Random Forest**.
- Implemented data analysis for **impact scoring and visualization**.

Crimepulse - Incident Reporting Platform

- Developed a web-based platform for civilians to report **drunk or drug -related violations**.
- Implemented real-time notification to alert police and authorities with the incident location.
- Used **React.js, JavaScript, and Firebase** for seamless data handling and user authentication.

SmartLogix ReGen – AI-Powered Logistics Optimization Platform (Hackathon Project, 2025)

- Developed a full-stack platform integrating **AI + route optimization** for Walmart's ReGen initiative.
- **AI Model:** Classified products (Resell / Recycle / Return / Repair) from image & description → mapped to correct destination.
- **Backend:** FastAPI with Google Maps API + advanced **Simulated Annealing** for real-time route optimization.

Skills

TECHNICAL

- Programming Languages : C++, Java, Python
- Web Development : HTML, CSS, JavaScript, React
- Libraries & Tools : Scikit-learn, OpenCV, Pandas, NumPy, Matplotlib
- Deep Learning Frameworks : TensorFlow

Soft Skill

- Problem-Solving & Analytical Thinking
- Teamwork & Collaboration
- Strong Communication & Adaptability

Education

09/2023 – 03/2027 **B Tech computer science and engineering**
Vellore Institute Of Technology, Bhopal, India

06/2021 – 03/2022 **Senior Secondary**
RC Higher Secondary School, Chundale