

Krishna Nand Jha

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Summary — Computer Science undergrad specializing in AI/ML with hands-on experience in full-stack development and deep learning. Delivered real-world solutions in internships and hackathons, including a voice-controlled assistant and satellite-based hazard detection system. Adept in Python, React, Node.js, and AWS. Seeking roles to build scalable, intelligent systems that solve real-world problems

Skills

- **Languages:** Python, JavaScript, HTML+CSS, R
- **Libraries:** NumPy, Pandas, Matplotlib, Scikit-Learn
- **Tools:** VS Code, Git, GitHub, Google Colab, Docker
- **Frameworks/Cloud/Databases:** TensorFlow, OpenCV, Relational Database (MySQL)
- **Relevant Coursework:** Data Structures & Algorithms, Object-Oriented Programming, Database Management System, Introduction to AI, Machine Learning, Deep Learning, NLP
- **Areas of Interest:** Data Science, Machine Learning, Artificial Intelligence, Data Analytics
- **Soft Skills:** Problem Solving, Self-learning, Presentation, Adaptability, Critical Thinking, Communication

Experience

Prayana Electric

Full Stack Web Development Intern

Nov 2024 – Apr 2025

VIT-AP, Amaravati

- Developed responsive front-end interfaces using React.js, improving user engagement
- Integrated back-end APIs with Node.js and Express, reducing latency by 20%
- Collaborated with cross-functional teams to build a dashboard for vehicle tracking

Education

VIT-AP University

B.Tech in Computer Science and Engineering (Specialization in AI & ML)

Graduation: 2026

Amaravati, Andhra Pradesh

Projects

Speech-Activated Machine (SAM)

OSC Hackathon Project – April 2025

- Engineered a hands-free AI voice assistant using speech recognition and Meta's Segment Anything Model (SAM), enabling seamless interaction through voice commands.
- Designed a futuristic, accessible UI in Figma and deployed a working prototype to enhance user accessibility.

Post-Hurricane Danger Detection Using Satellite Imagery

VIT-AP – Jan 2025 to Apr 2025

- Developed a deep learning pipeline to identify hazardous zones from satellite images following hurricanes.
- Implemented and evaluated three CNN architectures:
 - A base CNN model
 - A CNN model with L2 regularization to reduce overfitting
 - A hybrid CNN model combining multiple feature maps for improved accuracy
- Achieved notable improvements in performance and generalization across test datasets.