

AVIRE KAUSHIK

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in [Kaushik Avire](#)

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CAREER OBJECTIVE

A driven, detail-oriented undergraduate student looking for an opportunity to put skills and knowledge to use in a dynamic environment. Passionate about learning new technologies, solving core problems, and contributing to team success. Anxious to grow professionally and add some meaningful value.

EDUCATION

VNR Vignana Jyothi Institute of Engineering and Technology Nov 2022 - Present
B.Tech in Computer Science Engineering

- GPA: 8.68

SR EDU CENTER 2020 - 2022
Intermediate

- Percentage: 94.9

SR EDU CENTER 2020
State

- GPA: 10

PROJECTS

VJJC Website

Developed and launched a Next.js-based website for VJJC Junior College with a team of four, providing parents with comprehensive information about the college. The platform allows parents to explore details about courses, facilities, and admission procedures. It also includes a course registration feature, enabling parents to enroll their children and receive direct communication from the college. Designed for seamless user experience and accessibility, the website offers an intuitive interface and efficient performance. The project has been successfully completed and is now live.

College Fest Website

Developed and launched a website for our college fest with a team of four using Next.js, Tailwind CSS, and Framer Motion. The platform provides comprehensive information about the fest, including event details, coordinators, and past editions. Implemented a secure payment system for student registrations and integrated QR code generation using Python. The system enables seamless entry management by requiring students to scan their QR codes before accessing the fest. Ensured an engaging user experience with smooth animations and an intuitive interface.

IEEE-SPS Cup DeepFake-Detection

Developed a deep learning model for the IEEE SPS Cup competition to classify real and deepfake images. Utilized ResNet18 by fine-tuning all layers and adding a custom output layer. Trained the model on a dataset of 240K images provided by the organizers, achieving an accuracy of 85.6%. Focused on optimizing feature extraction and improving model robustness against subtle image manipulations.

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, JavaScript, C, C++
- **Deep Learning:** PyTorch
- **Full Stack Web Development:** ReactJS, NodeJS, ExpressJS, HTML, CSS, Tailwind, MongoDB, MySQL

Achievements and Participations

Academics

Machine Learning A-Z Udemy

Completed the Master Machine Learning on Python course, which covered key topics like reinforcement learning, NLP, deep learning, and dimensionality reduction.

Smart Interviews

Certified by Smart Interviews for successfully completing their coding program, demonstrating proficiency in data structures, algorithms, and problem-solving techniques through structured courses and assessments.

Deep Learning - IIT Ropar NPTEL

Pursuing a deep learning course covering neural networks, optimization techniques, regularization, autoencoders, CNNs, RNNs, and attention mechanisms. Gaining hands-on experience with backpropagation, gradient descent variants, and modern architectures like ResNet and LSTMs. Expected completion: May 2025.

Extra Curricular

Inner Engineering - ISHA Foundation

Completed a transformative meditative course focusing on personal wellbeing and inner growth.

Workshop on ML and LLM - Convergence 2025

Conducted a workshop on Machine Learning and Large Language Models at Convergence, a technical fest, alongside two teammates. Taught participants how to integrate ML models into web applications and work with Ollama for seamless deployment.

Participations

Smart India Hackathon

Participated in the Smart India Hackathon, developing a solution to count trees in aerial images using DeepForest and Python for accurate environmental analysis.

Winter Coding Contest - ACM VNRVJIET

Secured 8th position among 400 participants in a Winter Coding Contest, demonstrating strong problem-solving skills and algorithmic proficiency.

Strengths

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|---------------------|-------------------|
| • Active Listening | • Time management |
| • Critical Thinking | • Self-Motivation |
| • Adaptability | • Responsibility |

Hobbies

- | | |
|------------------------------|-------------------------|
| • Basketball | • Follow Global Affairs |
| • Billiards & Snooker | • Follow Market Trends |
| • Stand-up Comedy Enthusiast | • Watch NBA |