

VYOM NIKHRA

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SUMMARY

AI and Data Science student with hands-on experience in machine learning, deep learning, and data analytics. Skilled in Python, PyTorch, TensorFlow, and related AI/ML tools. Passionate about contributing to innovative projects and seeking internship opportunities to apply technical skills in real-world applications.

EDUCATION

B. Tech in AI and DS, Indian Institute of Information Technology, Sri City (2023-2027) CGPA: 9.51/10.0

SKILLS

Languages	Python, C++, SQL
AI/ML/DL	Scikit-learn, TensorFlow, PyTorch, Pandas, NumPy, XGBoost
Data Visualization	Power BI, Tableau, Excel, Matplotlib, Seaborn
Tools	Git, Docker, VS Code, Postman

EXPERIENCE

AI/ML Domain Lead	2025 - Present
IOTA (Technical Club)	<i>IIIT Sri City</i>

- Lead the AI/ML domain, guiding a team of members on project development and research initiatives.
- Drive exploration of innovative AI and Machine Learning applications.
- Mentor and collaborate with peers to build impactful and practical AI/ML solutions.

Core Member	2023 - 2024
Enigma (Technical Club)	<i>IIIT Sri City</i>

- Competed in problem-solving events and technical workshops, including Capture The Flag (CTF) competitions.
- Enhanced analytical and logical reasoning skills through complex, multi-stage challenges.

PROJECTS

Demeter AI (AgriAI Hackathon). Developed a comprehensive agricultural support system featuring crop recommendation and disease detection. Utilized Python and machine learning libraries to build and integrate a predictive model. ([GitHub Link](#))

Adobe India Hackathon: Connecting the Dots. Engineered a containerized, two-stage intelligent document analysis pipeline using Docker. The first stage employed a dual-model system with two XGBoost classifiers (Safe1 for titles/H1, Safe2 for all headings) for high-accuracy, hierarchical heading extraction from PDFs. The second stage integrated this structural data with semantic analysis, using Sentence Transformer models to extract and rank the most relevant document sections based on a given user persona and task. ([GitHub Link](#))

ACHIEVEMENTS

- **1st Place**, Chakravayuh 2025: Secured the top position in the largest event organized by GDG and IOTA.
- **3rd Place**, Global Game Jam (GGJ) 2025: Achieved a podium finish, competing against over 50+ teams.
- **4th Place**, Agri AI Hackathon: Placed among the top teams in a competitive hackathon focused on AI in agriculture.