

# Vishwesh Pal Saini

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## Objective

Motivated AI/ML student with hands-on experience in software development, machine learning, and project management. Seeking an internship to apply technical expertise, contribute to innovative solutions, and grow through professional exposure.

## Technical Skills

- Programming: Python, C, C++, Java
- Frameworks & Libraries: TensorFlow, PyTorch, Scikit-learn, Hugging Face, OpenCV
- Databases & Tools: MySQL, Git, FastAPI, Flask, Android Studio
- Concepts: Machine Learning, Deep Learning, NLP, Computer Vision, OCR, Model Deployment
- Soft Skills: Leadership, Event Management, Communication, Teamwork

## Certifications

- Certified Internship in Artificial Intelligence – Internship Studio (Developed a Face Recognition Model with 90%+ accuracy).
- EY Climate Change & Sustainability Virtual Experience (Forage, 2025) – Conducted ESG benchmarking and prepared strategic presentation aligning with EY's CCASS framework.
- Prompt Engineering & LLM Integration – Hands-on with OpenAI API, mastering prompt design, summarization, and AI-powered application building.

## Education

- Vellore Institute of Technology, Chennai, India  
B-Tech Computer Science Engineering with Specialization in AI/ML      CGPA (until 5<sup>th</sup> Sem): 8.56
- Tagore Public School, Jaipur, Rajasthan  
Grade-12<sup>th</sup> (2022)      Percentage: 88.8%  
Grade-10<sup>th</sup> (2020)      Percentage: 90.2%

## Projects

- Gene Forge – Developed a DNA sequence optimization system using DNABERT, FastAPI, and PyTorch; improved similarity scores of sequences by 15%. [\[Repo\]](#) | [\[App\]](#)
- Crop AI – Built a web app and API with TensorFlow and Flask for plant disease detection; achieved 92% accuracy on benchmark dataset and deployed on Vercel. [\[Repo\]](#)
- Expense Tracker – Python app with OCR for scanning bills, automated categorization, and QR code generation; reduced manual logging time by 40%. [\[Repo\]](#)
- COVID-19 Hospital Management System – Python + MySQL system for managing patients, staff, and symptoms; automated records management, reducing manual workload by 50%. [\[Repo\]](#)
- Life-Span Detection – Machine learning model predicting human lifespan from health and lifestyle factors; achieved R<sup>2</sup> score of 0.81 on validation data. [\[Repo\]](#)
- Fraud Detection ML Model – Built a Random Forest model with feature engineering to detect anomalies in financial transactions; achieved F1 Score of 0.87 and ROC-AUC of 0.92. [\[Repo\]](#)

## Achievements & Extracurricular

- Won First Prize in **Global Hackathon HACKHAZARDS** with 790+ projects.
- Winner of 48-hour **National Hackathon (DevsHouse)** by GDG Club of VIT Chennai with MLH.
- Secured an internship at **NDS Associates** as an **AI Full Stack Developer**.
- Served as **Technical Lead at NSCC** (Newton School of Coding Club), VIT Chennai.