

Akshit Soni

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EDUCATION

Vellore Institute of Technology, Bhopal

Integrated MTech in Computer Science and Engineering - Artificial Intelligence

Cumulative CGPA: 8.32

Bhopal, Madhya Pradesh

Expected May 2026

Tagore Public School

12th CBSE Board: 88.20%

Jaipur, Rajasthan

March 2019 – March 2020

Tagore Public School

10th CBSE Board: 92.00%

Jaipur, Rajasthan

CERTIFICATIONS

• Computer Vision - VITyarthi

• Applied Machine Learning in Python - Coursera

• Cloud Computing - NPTEL

TECHNICAL SKILLS

Python, Java, SQL, Office 365

CO-CURRICULAR EXPERIENCE

AI Trainer — Freelancer

DataAnnotations Tech

Jaipur, Rajasthan (Remote)

October 2024 – Present

- Conducted comprehensive testing of LLM models contributing 500+ hours across 700+ test cases from diverse domains, including brainstorming content, extraction, data generation, code generation, and math solving.
- Performed multilingual testing and evaluation across 5 parameters and in three languages, including English, Hindi (Devanagari), and Hindi (Latin), to enhance AI model localization and performance.

PROJECTS

Crime Data Analysis and Prediction

Team Project

Bhopal, Madhya Pradesh

May 2024 – August 2024

- Engineered end-to-end data pipeline for a 4,91,007-record crime dataset: cleaned and imputed 6800+ missing entries, parsed and extracted 7 temporal features, and encoded 12 categorical variables using pandas and NumPy, reducing preprocessing time by 30%.
- Applied advanced clustering techniques (K-Means, DBSCAN, hierarchical) at scale—over 4,90,000 samples—to uncover 8 high-risk crime zones and synthetic features for model input, leveraging scikit-learn to automate hotspot detection.
- Built and evaluated 4 ML classifiers (GaussianNB, Decision Tree, Random Forest, Logistic Regression) with stratified 5-fold cross-validation; Random Forest delivered top performance (83% accuracy), a 20% uplift over the naïve baseline.

Crop Health Detection using Artificial Intelligence

University Level Project

Bhopal, Madhya Pradesh

January 2024 – April 2024

- Implemented an AI-driven system to assess sugarcane crop health using advanced machine learning techniques, integrating 4 different models: DenseNet201, CNN, VGG19 and ResNet50.
- Achieved 92% overall accuracy in detecting and classifying crop conditions, including disease, pest infestation, and nutrient deficiencies, by leveraging deep learning architectures.
- Reduced operational costs for farmers by an estimated 30% through accurate early detection of diseases and targeted resource application.
- Collaborated with a team of 10 developers to develop and deploy a scalable AI solution adapted to sugarcane crop and geographic regions.

EXTRA CURRICULAR ACTIVITIES

Vice President

Android Club, VIT Bhopal

Bhopal, Madhya Pradesh

June 2023 – May 2024

- Led 10 teams (SDC, Android, Event Management, Design, Operations, Finance) to organize 7 events, boosting student engagement by 1500% and mentoring 80+ club members to improve technical skills and communication.
- Streamlined workflows for 20% higher efficiency and implemented feedback loops to enhance event quality and relevance.

Discipline Committee Member

AdvITYa Annual Fest, VIT Bhopal

Bhopal, Madhya Pradesh

February 2024 – February 2024

- Managed discipline and coordinated logistics for Advitya Fest, which hosted 2500+ student participants and 50+ events across university clubs.
- Co-ordinated closely with faculties to ensure smooth execution, contributing to a well-organized and engaging festival experience.

HOBBIES & INTERESTS

Cooking — Space Enthusiast — Game Development — 3D Animation