Akshit Soni

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EDUCATION

Vellore Institute of Technology, Bhopal — Bhopal, Madhya Pradesh
Integrated MTech in Computer Science and Engineering - Artificial Intelligence — *Expected May 2026*
Cumulative CGPA: 8.32

Tagore Public School — Jaipur, Rajasthan
12th *CBSE Board: 88.20%* — *March 2019 – March 2020*

Tagore Public School — Jaipur, Rajasthan
10th *CBSE Board: 92.00%*

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 — Jaipur, Rajasthan (Remote)
DataAnnotations Tech — *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 — Bhopal, Madhya Pradesh
Team Project — *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 — Bhopal, Madhya Pradesh
University Level Project — *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 — Bhopal, Madhya Pradesh
Android Club, VIT Bhopal — *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 — Bhopal, Madhya Pradesh
AdVITya Annual Fest, VIT Bhopal — *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