

An AI enthusiastic, seeking an entry-level role at a reputable company in order to broaden my skills and expertise

## Education

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### · Integrated MTech CSE(AI and ML)

Vellore Institute of Technology, Bhopal

2019-24

CGPA: 7.72

## Projects

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### · Handwritten Digit Recognition

OCR Project which identifies handwritten characters from scanned images

- Implemented convolutional neural network as part of an end-to-end deep learning pipeline.
- Leveraged the MNIST dataset, containing 70,000 grayscale images of handwritten digits (0-9), for training, validation, and testing purposes.
- Key Technologies: Python, TensorFlow, Keras, CNN, MNIST, Image Processing, Deep Learning

### · Data-Driven Forecasting of Heavy Precipitation Events

Implemented machine learning algorithms to develop predictive models for accurately forecasting flood events

- Utilized K-Nearest Neighbors, Logistic Regression, SVC, Decision Tree, and Random Forest
- Utilized Python libraries to create visual representations of the data and model outcomes, aiding in stakeholder communication.
- Key Technologies: ML Algorithms, Numpy, Matplotlib, Seaborn

### · Pest Detection and Pesticide recommendation

Local chapter of OMDENA AI Algeria Chapter Green.

- Developed a model that would help farmers investigate different pests on their field and provide information on how to control them.
- Key Technologies: Machine learning, CNN, OpenCV

## Externship

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### · Loan Status Prediction using IBM Watson Machine Learning

August 2021

IBM Applied Data Science

Online

- Loan prediction model to predict an applicant's loan repayment.
- Evaluated multiple machine learning models, including logistic regression, decision trees, and ensemble methods, to identify the best-performing model for loan repayment prediction.
- Integrated the final model into IBM Watson Machine Learning for real-time prediction, enabling the lending company to assess loan applicants' repayment likelihood.
- Key Technologies: Python, Matplotlib, Seaborn, ML Algorithms

## Technical Skills and Interests

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**Languages:** Python, HTML

**Libraries :** Pandas, Numpy, Matplotlib, Seaborn, Scikit-learn, TensorFlow, Keras, NLTK, OpenCV, YOLOv8

**Tools:** PowerBI, Excel

**Cloud/Databases:** Relational Database(PostgreSQL)

**Areas of Interest:** Computer Vision, Deep Learning.

**Soft Skills:** Problem Solving, Self-learning, Presentation, Adaptability

## Positions of Responsibility

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### · Event Coordinator Tech Geeks Workshop

August 2019

- Organized and managed a workshop event hosted by Tech Geeks at VIT Bhopal.
- Coordinated logistics, including venue setup, scheduling, and participant communication.
- Worked with the Tech Geeks team to ensure smooth execution of the workshop.

### · Content Writer, AI Club VIT Bhopal

Nov 2021 - Jan 2022

- Collaborated with team members to create educational materials and resources on cutting-edge AI topics, contributing to the club's mission of fostering knowledge and innovation in artificial intelligence.
- Conducted in-depth research on emerging AI trends and technologies, ensuring the accuracy and relevance of content produced.