ADITYA JAIN

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EDUCATION

Manipal Institute Of Technology — Bengaluru, KA
A constituent unit of Manipal Academy Of Higher Education,Manipal

Bachelor of Technology in Computer Science, Minor in Artificial Intelligence — Oct. 2021 – July 2025
Cummulative Percentage: 82.7%

EXPERIENCE

Undergraduate Research Assistant — July 2023 – Present
Manipal Institute Of Technology — *Bengaluru, KA*
- Developed a comprehensive understanding of Synthetic Aperture Radar (SAR) image processing techniques and their applications in remote sensing.
- Implemented three distinct deep learning models for SAR image segmentation, including U-Net, Trans U-Net, and Attention U-Net.
- Conducted comparative analysis of the three models' performance metrics such as Dice coefficient, Loss Function.
- Utilized Python and popular deep learning libraries like TensorFlow and PyTorch to build, train, and evaluate models.

AI-ML Intern at Cranes Varsity — June. 2023 – July 2023
Cranes Varsity | PYTHON,MACHINE LEARNING — *Bengaluru, KA*
- Undergone with industry-level training in AI-ML concepts
- Worked on various projects including sales prediction, recommendation of product, stock prediction, and news recommendation system using machine learning.

PROJECTS

Text Summarizer | *PYTHON, FLASK, HTML, CSS,NLTK, SPACY* — Aug 2023 – Present
- Developing a full-stack web application using Flask
- Implementing functions from NLTK and spacy packages of Python to summarize text.
- Implementing text summarizer comparer with different summarization technique.
- Implementing summarizer of Wikipedia URL also.
- link:- Will be working by 25 October 2023 text-summarizer

Personal Portfolio | *HTML,CSS,JAVASCRIPT,GITHUB, GIT* — May 2023 – Jun 2023
- Developed a personal portfolio website using HTML, CSS, JAVASCRIPT
- Implemented various features of HTML, CSS, and JAVASCRIPT
- link: portfolio

Student Management System | *HTML, CSS, JAVASCRIPT, MYSQL, PYTHON, FLASK* — Feb 2023 – Apr 2023
- Developed a full-stack web app for student management system
- integrated frontend with backend using xampp
- Implemented both with regular and admin access
- Worked in a team of 4 students

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Oracle and Mysql), JavaScript, HTML, CSS, R
Frameworks: React, Node.js, Flask, FastAPI
Developer Tools: Git, Github, Google Cloud Platform, Visual Studio, PyCharm, IntelliJ, Eclipse
Libraries: Pandas, NumPy, Matplotlib, NLTK, Spacy, etc.

RELEVENT COURSEWORK

Completed: Engineering Mathematics, Object Oriented Programming, Data Structures and Application, Design And Analysis Of Algorithms, Database Management System.
Ongoing: Essentials Of Management, Statistics and Data Analysis, Computer Vision, Natural Language Processing, Artificial Intelligence and Machine Learning.