ADITYA JAIN

+91 7023767404 | aditya@manipal.edu | linkedin.com/in/aditya | github.com/aditya

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 – June 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   *Bengaluru, KA*
- Undergone with industry level training in AI-ML concepts
- Worked on various projects including sales prediction, recommendation of product and news recommendation system.

PROJECTS

Text Summarizer | *PYTHON, FLASK, HTML, CSS,NLTK,SPACY*   Aug 2023 – Present
- Developing a full-stack web application using with Flask
- Implementing functions from NLTK ans 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 15 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 fullstack webapp for student management system
- integrated frontend with backend using xampp
- Implemented both with regular and admin access
- Worked in 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, VS Code, 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 Data Analysis, Computer Vision, Natural Language Processing , Artificial Intelligence.