

ADITYA JAIN

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EDUCATION

Manipal Institute Of Technology

Bengaluru, KA

Bachelor of Technology in Computer Science and Engineering Artificial Intelligence OCT 2021 – JUNE 2025

Cummulative Percentage: 83.4

CGPA:8.34

EXPERIENCE

Undergraduate Research Assistant

JULY 2023 – DEC 2023

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 – JAN 2024

- Developing a full-stack web application using with 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: [text-summarizer](#)

Personal Portfolio | HTML, CSS, JAVASCRIPT, GITHUB, GIT

MAY 2023 – JUN 2023

- Developed a personal portfolio website using HTML, CSS, JAVASCRIPT
- Implemented continuous delivery using TravisCI to build the plugin upon new a release
- Collaborated with Minecraft server administrators to suggest features and get feedback about the plugin
- 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.

RELEVANT COURSEWORK

Completed: Object Oriented Programming, Data Structures and Application, Design And Analysis Of Algorithms, Database Management System, Computer Vision, Natural Language Processing.

Ongoing: Artificial Neural Network and Deep Learning, Big Data Analytics, Cloud Computing, Design Patterns.