AAYUSH UJJWAL

aubnmaiml@gmail.com | +91 6376438558

EDUCATION

BNMIT, BANGALORE
Bachelor of Engineering
AI & ML
2021-25

COURSEWORK

Data Structures
Algorithms
Operating System
Object Oriented Programming
Big Data Analytics
Natural Language Processing

TECHNICAL SKILLS

LANGUAGES
Java
Python
C
HTML/CSS/JavaScript

FRAMEWORKS
React
Node
Express
Streamlit

DEVELOPER TOOLS
GIT
GITHUB
Jupyter
VS Code

LIBRARIES
NumPy
Pandas
Tensorflow
Matplotlib

LINKS

Github: aayushujjwal
Leetcode: riskrapid80
LinkedIn: aayush-ujjwal
Portfolio Website

PARTICIPATIONS

IBM Hackathon 2024 (Finalist)

IIT Kharagpur Data Science
Hackathon 2024

Shoot Your Webs Hackathon 2023

EXPERIENCE

QMARKS | Software Development Intern (Remote)
4 weeks- October 2023
- Developed user authentication pages for a pathology lab, handling over 500 users daily and ensuring secure and streamlined access.
- Created interactive dashboards for lab data, improving data accessibility and reducing report generation time.

PROJECT EXPERIENCE

ADVENTURE TRIP PLANNING WEBSITE
- Executed React for frontend UI, MongoDB for data storage, and Node with Express for backend operations in the Adventure Trip Planning Website.
- Launched a user-friendly Website that facilitates seamless trip planning and customization with intuitive frontend interactions and efficient backend data management.

ALGORITHMIC TRADING MODEL FOR BTC USDT
- Developed an Algorithmic Trading Model for BTC/USDT using Python, integrating SMA, EMA, and mean reversion strategies with machine learning for predictive analysis, robust backtesting, and effective risk management
- Analyzed market data to optimize trading strategies, resulting in a 63% increase in annual returns over Jan 2018 - Jan 2022.

IMAGE CAPTIONING AI ASSISTANT
- Integrated ViT-GPT2 transformers with an ML model fine-tuned on the COCO dataset, consisting of 82,000 images, delivering precise caption generation.
- Deployed on Streamlit Cloud, offers a seamless interface for users to upload images and generate captions with a single click, ensuring a fast and intuitive experience.

DANCE CLUB HUB: EVENT AND MEMBER MANAGEMENT
- Utilized React for adaptive frontend interactions, employed Express and Node for robust backend functionality, and integrated MySQL for efficient data storage and retrieval in Dance Club Hub.
- Created Dance Club Hub, facilitating streamlined event organization and member management through intuitive interfaces and secure data handling.

CERTIFICATIONS

Coursera	Python for Data Science and AI
Google	How Google Does Machine Learning
Infosys Springboard	Exploratory Data Analysis
Infosys Springboard	Introduction to Data Science

ACHIEVEMENTS

Winner of "Shoot your Webs" Hackathon