

AYUSH MISHRA

BACHELOR OF TECHNOLOGY
COMPUTER SCIENCE AND ENGINEERING
DATA SCIENCE INTERN

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RESEARCH PAPER & GROUP PROJECT

•PLANT DISEASE SEGMENTATION USING SEGMENT ANYTHING MODEL

May 2024

This project was opted by me and my group to create a B.Tech. minor project. Where we implemented SAM and UNET.

- Supervised approaches are hindered by the requirement for extensive labeled data. The model addresses these problems and work on it.
- This research paper contains the learning and the comparison based analysis of models on used datasets.
- Check it out @ <https://drive.google.com/drive/folders/1UxLKdl5yFuDKNDCr5vtCNAOtuPxtqjyW?usp>

•OPTIMIZING PARKING FOR SUSTAINABLE URBAN MOBILITY

Aug 2023

Parking management in India and worldwide is a critical challenge, with congestion imposing substantial economic costs

- Tools & technologies discussed: IoT based technology- RFID, Infrared sensors (PIR), ML based algorithm- Heuristic Search algorithm
- Check it out @ <https://drive.google.com/drive/folders/13wrs1hn5t08tSWmz14YmVfRih1oDjKbn?usp=drivelink>

INDIVIDUAL PROJECTS

–IPL Auction App

Jun 2024

Tech stack used: Flask, Flask-SocketIO, HTML, CSS, JavaScript, SQLite

- * This IPL Auction App facilitates real-time IPL auctions, allowing users to bid on players, manage player data, and interact seamlessly. I have developed it as- 'Intern for Python Programming Development' at Innovate Intern.
- * check it out @ <https://github.com/Ayush1974/Innovate-Intern-Project/>

–2024 Election

Jun 2024

Tech stack: Data Manipulation(Scipy, Numpy, Pandas), Matplotlib, PowerBI

- * This project contains the code and visualizations for analyzing the Lok Sabha Election 2024 data. The analysis provides insights into various aspects of the election, including party performance, candidate margins, and vote distribution.
- * check it out @ <https://github.com/Ayush1974/2024-ELECTION->

SKILLS & INTERESTS

- DATA SCIENCE/MACHINE LEARNING/DEEP LEARNING:** Python, Data visualisation, Supervised learning algos, unsupervised learning algos, ANN, CNN, EDA, feature engineering, feature selection and extraction, Natural Language Processing(NLP), Computer Vision
- Mathematicsfor ML and DL:** Algebra, Probability, Statistics, Calculus, Matrices
- Python packages and framework:** Scikit-Learn, Tensorflow, Keras, Pandas, Numpy, Sci-py, Beautiful-soup, Pytorch
- Web development :** Html, CSS, Javascript, MongoDB, django, Flask, NodeJS, Git, Github
- Language Preferred:** Python, C++ ,Java , R, MySQL, JavaScript, HTML
- Databases:** MySQL, Mongoddb
- Area of interest:** Data Science, Machine Learning, Software Developement, Backend Web Development

CONTESTS

- Round 2.0 qualified**, TVS Credit E.P.I.C 5.0 — IT Challenge, Team name: El-Dorado Sep 2023
- Qualified**, Track name: Health+, Information Security Challenge, Robotics Challenge Aug 2023
- Competitive coding contest**, Leetcode ID: <https://leetcode.com/u/Ayush1974/> Rating: 1532 2023
- DSA and coding**, GeeksforgeeksID: <https://www.geeksforgeeks.org/user/ayushds5t/> 2022

CERTIFICATIONS

- Flipkart : Certificate for MCQ Test of Flipkart GRiD 5.0 - Robotics Challenge
- Unstop: Cracking the Data Science and AI Job Market!
- Udemy: Python For Data Science A-Z: EDA With Real Exercises In 2024
- Simplilearn : Natural Language Processing (NLP) and Text Mining Tutorial,
- Coursera: Machine Learning Pipelines with Azure ML Studio
- Udemy: Python And Flask Demonstrations Practice Course
- Swayam/ MOOC course: The Joy Of Computing Using Python