

PRATYUSH MOHANTY

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[LinkedIn](#) [Github](#) [Portfolio](#) [Leetcode](#)

EDUCATION

MS RAMAIAH INSTITUTE OF TECHNOLOGY

2023 - 2027

BACHELOR OF ENGINEERING

ELECTRONICS AND COMMUNICATION ENGINEERING

CGPA: 9.35

EXPERIENCE

HARVARD PROJECT FOR ASIA AND INTERNATIONAL RELATIONS

June 2024-Feb 2025

International Delegate

Bangkok, Thailand

- Selected as one of the global delegates for HPAIR Asia Conference 2024 by Harvard University.
- Contributed to the HPAIR Impact Challenge, co-developing a market strategy for AVEA in collaboration with Marketyze.
- Secured an internship offer for strategic insights and performance during the challenge.

NXT GEN LEARNING

May - September 2024

Mathematics Tutor

Remote

POSITION OF RESPONSIBILITY

• ENTREPRENEURIAL DEVELOPMENT CELL

June 2024 - PRESENT

SECONDARY CORE- DOCUMENTATION

• EXECOM

January 2025 - PRESENT

IEEE - SPS

• COVERAGE

APRIL 2025 - PRESENT

THEATRIX

PROJECTS

Fake News Detection using NLP and Logistic Regression

Tools & Libraries: Python, Pandas, NLTK, Scikit-learn, TfidfVectorizer, Logistic Regression

- Developed a machine learning model to classify news articles as real or fake using title and author metadata.
- Preprocessed data with text cleaning, stopword removal, and stemming for accurate NLP input.
- Converted text to numerical features using TF-IDF vectorization.
- Trained a Logistic Regression classifier achieving 98.65% training accuracy and 97.90% test accuracy.
- Implemented stratified train-test split to preserve label distribution and ensure model robustness.
- Delivered an end-to-end system capable of predicting fake news on unseen data with high reliability.

Retail Sales Analysis

Tools & Libraries: PostgreSQL

- Analyzed large-scale retail sales datasets using core SQL operations including JOINS, GROUP BY, and INSERT.
- Extracted meaningful insights such as sales trends and customer preferences to support strategic business decisions.
- Delivered clean, efficient SQL queries and optimized data handling to improve data retrieval and reporting efficiency.

AVEA Launch Strategy – HPAIR Impact Challenge

Organization: Marketyze (Bangkok-based marketing firm)

- Formulated a go-to-market strategy for launching AVEA in the APAC region; earned an internship offer from Marketyze.

Employee Performance Evaluation Tool (Course Project)

Tools & Libraries: MS Excel, Data Visualization

- Created an Excel dashboard using KPIs, VLOOKUP, and conditional formatting to visualize employee performance.

Drone Development Project

Tools & Libraries: Arduino Nano, MPU6050, HC-05 Bluetooth, MOSFET, Propellers

- Led a team to build and stabilize a drone using Arduino Nano, sensors, and wireless modules.

B-Plan Project: Hydroponics (48-Hour Startup Challenge)

Tools & Libraries: Business Strategy, Financial Modeling, Product Design

- Designed a sustainable hydroponic kit business model for urban apartments, including technical and financial planning.

SKILLS

Programming Languages:

C++ (with Data Structures & Algorithms) · Python · C · HTML · CSS

Frameworks/Technologies:

Scikit-learn, NLTK, TF-IDF, Arduino, Natural Language Processing (NLP), Logistic Regression, Excel (Advanced Functions), Power BI

Tools:

Git/GitHub, Google Colab, Jupyter Notebook, MS Excel, MS PowerPoint, PostgreSQL, DaVinci Resolve, JIRA (basic), Google Workspace

Data Analysis & Visualization:

PostgreSQL (JOINS, GROUP BY, INSERT), Pandas, NumPy, Excel (VLOOKUP, Pivot Tables, Conditional Formatting), Power BI, Charts & Graphs

Embedded Systems & Hardware:

Arduino Nano, MPU6050 Sensor, HC-05 Bluetooth Module, MOSFETs, Coreless Motors, Drone Flight Logic

Soft Skills:

Analytical Thinking, Public Speaking, Strategic Communication, Team Leadership, Creative Problem Solving, Event Management, Research & Report Writing