PARTH SATISH DEDHIA

Mumbai, Maharashtra

Student at **Vellore Institute of Technology, Chennai** pursuing a B.Tech degree **in Computer Science Engineering with a specialization in Artificial Intelligence and Machine Learning**

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Education

Vellore Institute of Technology **Chennai**
B.Tech in Computer Science Engineering (AI and ML) (GPA: 8.8/10) *2021–2025*

Pace Junior College of Science and Technology **Mumbai**
12th Grade (Percentage: 89.83%) *2019–2021*

Sharon English High School **Mumbai**
10th Grade (Percentage: 95.6%) *2019*

Experience

Finlatics **Nov 2023 – Jan 2024**
Business Analyst *Mumbai*

- Optimized large datasets to derive actionable insights.
- Developed interactive dashboards with Power BI for enhanced decision-making.
- Performed ETL processes using SQL and Excel to ensure data accuracy.
- Conducted market research to identify trends and inform strategic decisions.

Projects

Potato Leaf Disease Detection *Tools*: **Machine Learning (Python), HTML, CSS, Flask**

- Developed a high-accuracy machine learning model to detect and classify diseases in potato leaves. Implemented a user-friendly web interface for farmers to upload images and receive real-time disease diagnosis.
- Achieved a test accuracy of 97%.
- Created a responsive web application using Flask, enabling users to receive immediate disease diagnosis and insights.

Smart Irrigation System *Tools*: **Arduino, Machine Learning, IoT**

- Engineered an advanced smart irrigation system that optimizes water usage by utilizing IoT sensors and machine learning algorithms.
- Designed and implemented the system architecture for monitoring soil moisture, temperature, and humidity, leading to efficient water management.

Communications Using IoT *Tools*: **Arduino**

- Explored and analyzed multiple IoT communication protocols such as Wi-Fi, Bluetooth, MQTT, and serial communication to improve device connectivity and optimize data transfer efficiency.

BGMI Esports Data Analysis *Tools*: **Python, SQL, Power BI**

- Scraped data from the Liquipedia website using Python, performed data cleaning and format transformation, and loaded it into SQL for comprehensive analysis.
- Utilized Power BI to create a dynamic and interactive visual dashboard, providing actionable insights into BGMI esports performance metrics.

Technical Skills

Programming Languages: C/C++, Python, Java, SQL, HTML, CSS
Frameworks and Technologies: TensorFlow, Keras, OpenCV, PyTorch
Concepts: Machine Learning, Object-Oriented Programming (OOP), Database Management Systems (DBMS)
Interests: Mathematics, Data Science, Data Analytics

Certifications

AWS Cloud Practitioner Score: 970/1000

Google Cloud Digital Leader

Completion of C, C++, Python *IIT Bombay*