

# Ayush Parwal

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## Education

Indian Institute Of Information Technology, Nagpur  
Computer Science with **Artificial Intelligence** and **Machine learning** (CGPA : 7.95)

Maharashtra, India

Nov 2022 – June 2026

**Coursework** : Programming, Data structure and Algorithm (DSA), Operating System (OS), Database Management System (DBMS), Machine Learning (ML), Neural Network and Deep Learning (NNDL), Natural Language Processing (NLP), Object-Oriented Programming (OOPS)

## Achievements

- Achieved a Rank **1** out of 2684 in Kaggle Competition with a Kaggle Merchandise playground Series - Season 4, Episode 6. [link](#)
- Solved more than 570+ Coding Problem on Leetcode and Various Coding Platform.
- Ranked 8,184 out of 35,000 participants in Leetcode's Weekly Contest 416.
- Data Analytics and Visualization Certified by Accenture. [link](#)

## Projects

Smoke-Prediction app [link](#)

July 2024

- Developed and trained an XGBoost model for a smoke-prediction app, achieving a notable accuracy of 87.22% through feature engineering and data preprocessing.
- Optimized the model by refining features, Highest accuracy was 87.946%, placing in the top 23% of participants.
- Built a Streamlit application in Python to display real-time prediction results and model performance.

Plant-disease Classification [link](#)

June 2024

- Utilized pretrained models like ResNet and Inception, achieving 84.61% accuracy in plant disease classification.
- Integrated with Streamlit for instant disease classification from uploaded leaf images, recognizing 38 classes of plant leaves for effective identification.

IPL-Data Analysis [link](#)

Apr 2024

- Scraped data from Cricbuzz and ESPNcricinfo using Beautiful Soup, converted it into structured DataFrames, and preprocessed it into CSV files. Conducted statistical analysis and EDA in a notebook, and developed a dynamic dashboard in Power BI for enhanced data visualization.

## Technical Skills

- **Languages** : Python, SQL, C, C++, HTML, CSS, JavaScript, PHP, Shell Scripting.
- **Frameworks** : Tensorflow, Keras, Numpy, Pandas, Matplotlib, Seaborn, Flask, Scikit-learn, NLTK, Bootstrap.
- **Tools** : Git, GitHub, Power Bi, Beautiful Soup, MySQL.