Ansh Agarwal

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Education

VIT Bhopal University, Bhopal   **2022 - 2026**

B. Tech in Computer Science & Engineering   *8.96/10 CGPA*

PMS Public School, U.P.   **2002 - 2021**
Intermediate XII (Senior-secondary)   *70%*
High School X (Secondary)   *95.2%*

Technical Skills

Programming Languages: C++, Java , Python, JavaScript ,Dart
Machine Learning & Data Science: TensorFlow, Scikit-learn, Pandas,
NumPy, Matplotlib, Seaborn, SciPy
Database Management: SQL
Android Development: Flutter , Dart
Data Visualization & Analytics: Tableau

Projects

Plant Disease Detection System Using Deep Learning

- Description: The Plant Disease Detection System is a sophisticated tool designed to identify and classify plant diseases accurately using deep learning techniques. Leveraging the power of Convolutional Neural Networks (CNN) and Python, this system aims to provide farmers and agricultural experts with an efficient way to monitor plant health, thereby improving crop yield and quality.
- Technology: CNN , Python ,TensorFlow, GCP
- Team Project: 5

Water Quality Analysis System using ML and Tableau

- Description: The **Water Quality Analysis System** is an advanced tool designed to monitor and predict water quality parameters using machine learning techniques for more than 20'+ states . By leveraging time series forecasting, anomaly detection, and predictive analytics, this system helps in assessing water pollution levels, ensuring clean water supply, and supporting environmental sustainability. The system is deployed on **Tableau** for real-time visualization and insights.
- Technology: Time Series Forecasting, Machine Learning, Python, TensorFlow, Scikit-learn, Pandas, NumPy, Tableau.
- Link:https://public.tableau.com/app/profile/ansh.agarwal6664/viz/WaterQualityAnalysis_17338513409590/Dashboard1?publish=yes

Smart-Home-Animated-Application using Dart

- Description: In this project, we implemented a parallax effect in Flutter using implicit widgets for smooth animations, and leveraged explicit animation widgets and custom transitions to provide seamless navigation between different pages. Users will able to control their smart home gadgets in more intrusive and interactive way.
- Technology: Dart, Flutter
- Role: FrontEnd Developer
- -Link: https://github.com/Anshag45/Smart-Home-Animated-App-using-Flutter

Certifications

- **The Bits and Bytes of Computer Networking** — *Google ,* Achieved a grade of 92.50%. An in-depth study on the fundamentals and advanced concepts of computer networking.

- **Cloud Computing** — *NPTEL Achieved* a grade of 87% among top 2% and was awarded the silver medal. A proper guide and introduction further enclosing with advanced topics based on cloud computing.

Achievements

- Solved over 100+ Problem Solving questions based on DSA on different platforms (Leetcode , gfg , interview bit).
- 5 Star in HackerRank in C++.