ANUBHAV PATWAL

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TECHNICAL SKILLS

Languages: C, C++, Java, Python, JavaScript, TypeScript
Developer Tools: VS Code, PyCharm GitHub, Intellij IDEA, Eclipse, Jupyter Notebook
Relevant Coursework: Data Structure and Algorithms, Object Oriented Programming, Computer Architecture, Theory of Computation, Artificial Intelligence, Machine Learning, Database Management System (DBMS), Operating System
Technologies and Frameworks: HTML5, CSS3, Angular, Bootstrap, TensorFlow, Keras, Scikit-learn, Streamlit
Database: MySql, Oracle

PROJECTS

CosmoQuest | *Angular, TypeScript, HTML5, CSS3* |Github
- **Developed a Space Tourism Website that increased user engagement with Angular and TypeScript**. Built a dynamic, scalable web app using Angular's component-based structure. Implemented mobile-first design with Flexbox and CSS custom properties for responsive layouts.
- Enhanced User Experience with **Advanced Angular Features Integrated Angular routing and animations** for smooth page transitions.
- Utilized the Angular official documentation to implement advanced features like router animations. Applied best practices to ensure clean, accessible code.

AgroTech | *HTML5, CSS3, Python* |Github
- **Developed a machine learning-based Crop Recommendation System** using models like Logistic Regression, Decision Trees, and Random Forest to provide tailored crop suggestions based on soil health and real-time weather data.
- **Integrated real-time weather forecasting** into the web app using Flask and the wttr.in API, offering location-based weather insights to improve crop recommendations.
- Developed a user-friendly web interface with HTML, CSS, and Flask, **enabling seamless input and dynamic crop suggestions for enhanced user engagement**.

VogueVision | *Python, TensorFlow, Streamlit* | Github
- **Developed a machine learning-based Fashion Recommendation System leveraging the ResNet50 model** for feature extraction and K-Nearest Neighbors (KNN) for similarity search, delivering personalized fashion suggestions to users.
- Integrated real-time image processing and recommendation retrieval with **TensorFlow, scikit-learn, and Streamlit, ensuring fast, relevant results.**
- **Developed an intuitive UI in Streamlit**, enabling seamless image upload and dynamic recommendation display, enhancing user engagement.

EDUCATION

Graphic Era Hill University	August 2022 – September 2026
Bachelor of Technology in Computer Science and Engineering (CSE) - ***CGPA -: 8.04***	*Dehradun, Uttarakhand*
Army Public School	June 2019 – July 2021
*Intermediate in Physics, Chemistry and Mathematics with IP (**CBSE Percentage - 82**)*	*Dehradun, Uttarakhand*

ACHIEVEMENTS

- Served as an enthusiastic and dedicated **Head Boy**, representing the school at events and overseeing functions, while participating in various speech and debate competitions.
- **Class representative** since the first year and former **sports captain** in school, winning multiple football tournaments.

EXTRACURRICULAR ACTIVITIES

- **Core Member** of the Coding and Development club (Co-Dev).
- Organized a 24-hour hackathon and coordinated events for ARAMBH 2.0, including tech and non-tech events with a cultural fest.
- **Event Co-Lead** in organizing the "Hackathon Hustle" workshop and **organized a football tournament** in AARAMBH 3.0, showcasing leadership, teamwork and organizing skills.

STRENGTHS AND HOBBIES

- **Strengths**: Leadership, Team spirit, Quick learner, Motivational, Optimistic, Communication, Social skills, Problem-solving, Management.
- **Hobbies**: Writing poetry, Listening to music, Sports, Gym, Singing, Basketball, Football.

CERTIFICATIONS

Data Structure and OOP with C++	November 2024
Data Structure and Algorithms, OOPs	***Certificate Link***
Machine Learning	September 2023
Artificial Learning and Machine Learning Concepts	***Certificate Link***