Rakshita Joshi

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Education

Graphic Era Hill University **Sep. 2022 – June 2026**
Bachelor of Technology in Computer Science Engineering *Bhimtal, Uttarakhand*

Whitehall School **April 2021 – April 2022**
Intermediate *Haldwani, Uttarakhand*

Whitehall School **April 2019 – April 2020**
High-School *Haldwani, Uttarakhand*

Relevant Coursework

- Data Structures
- OOPS
- Algorithms Analysis
- Database Management
- Artificial Intelligence
- Machine Learning
- Operating System
- Computer Network

Projects

AI-Based Study Planner | *Python,Flask,React* **March 2025**

- Built a web app that automatically generates study schedules based on user-defined deadlines and available free time.
- Backend in Python Flask calculates optimized study plans using basic scheduling algorithms and AI heuristics.
- React frontend allows drag-and-drop editing of the generated schedule and daily goal tracking.
- Integrated local Storage to save user settings without needing user accounts. Focused on usability features like dark mode, reminders, and weekly progress charts.

Smart Expense Tracker Web App | *HTML, CSS, JavaScript, React, Node.js, Express* **January 2025**

- Developed a full-stack web application for users to track their daily expenses with real-time updates and beautiful animations.
- Built the frontend using React with Tailwind CSS for a modern, responsive UI; incorporated framer-motion for smooth animations.
- Set up a simple backend using Node.js and Express to manage user authentication, categories, and transaction storage (local JSON-based file server, no heavy database).
- Implemented features like filtering by date range, category charts (with Chart.js), and exporting expenses to CSV files.

Sales Prediction And Analysis | *Python, Machine Learning (Ensemble Models), Streamlit* **December 2024**

- Developed a machine learning application to predict and analyze sales figures based on historical datasets and market features.
- Implemented ensemble learning models (Random Forest, Gradient Boosting, XGBoost) to improve prediction accuracy and reduce overfitting.
- Built an interactive and user-friendly dashboard using Streamlit, enabling real-time input, model comparisons, and detailed visualization of results.Performed feature engineering, data preprocessing, and hyperparameter tuning to optimize model performance.

Technical Skills

Languages: Python, Java, C, HTML/CSS, JavaScript, SQL
Developer Tools: VS Code, Eclipse, Google Cloud Platform, PowerShell
Technologies/Frameworks: Linux, Git And GitHub, React.js, Node.js, Flask ,Streamlit

Extracurricular

AWS Cloud Quest: Cloud Practitioner **Issued Mar 2025**
Amazon Web Services (AWS)

- Gained foundational knowledge in AWS cloud concepts, core services, and cloud security best practices.

ATF 2024: Stage 2 Candidate **Issued Oct 2024**
AlgoUniversity

- Qualified for Stage 2 of the prestigious AlgoUniversity Algorithmic Training Fellowship (ATF), demonstrating strong skills in data structures and competitive programming.

Python Fundamentals Certificate **Issued Sep 2024**
Infosys Springboard

- Completed a structured training program covering Python basics, control structures, functions, data structures, and file handling.