Dev Mandal

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EDUCATION

Uttaranchal University, Dehradun

- **Master of Computer Applications (MCA) |** 2024 – 2026 | **CGPA: 7.8/10** (Till Date)
  Relevant Coursework: Machine Learning, DBMS, Artificial Intelligence

- **Bachelor of Computer Applications (BCA) |** 2021 – 2024 | **CGPA: 8.7/10**
  Relevant Coursework: Data Structures & Algorithms, Data Analysis, Operating Systems, Software Engineering

Ever Green Sr. Sec School | CBSE Board
- **Class 12th** | 2021
- **Class 10th** | 2019

INTERNSHIP EXPERIENCE

YHills Edutech – Data Science Intern | Mar – Apr 2024
- Build data pipelines and predictive models using Python, Pandas, and SQL during a one – month internship.
- Performed exploratory data analysis and created visualizations with Matplotlib and Seaborn to derive insights.

PROJECTS

AI – Powered Voice Assistant | Oct 2024
- **Designed an intelligent voice assistant** using NLP and deep learning with **real-time web scraping and sentiment analysis**.
- **Integrated secure authentication, task automation, and media control** for an enhanced user experience.
- **Tech:** Python, TensorFlow, PyTorch, Google TTS, Fastapi

Resume Optimizer | Jan 2025
- **Developed an AI-powered resume optimizer** that analyzes and improves **ATS compatibility** using NLP and machine learning.
- **Integrated keyword extraction, job matching, and scoring algorithms** to enhance recruiter visibility.
- **Tech:** Python, NLP, Spacy, Nltk, Scikit-Learn, Fastapi

Automated Data Cleaning Pipeline | Jan 2025
- **Developed an optimized data cleaning pipeline** using **Pandas and NumPy,** capable of handling large datasets efficiently.
- **Implemented missing value imputation, duplicate removal, outlier detection, and text normalization** for improved data quality.
- **Integrated a user-friendly frontend** for easy dataset uploads and real-time transformation previews.
- **Tech:** Python, Pandas, NumPy, Fastapi, Streamlit, SQLite

INTERNSHIPS

- **Introduction to Machine Learning and AI** – *Google Cloud* (August 2024)
- **Python 101 for Data Science** – *IBM Cognitive Class* (January 2025)
- **Introduction to Machine Learning and AI** – *Google Cloud* (Febrary 2025)

TECHNICAL SKILLS

Programming: Python, Java, SQL.

Data Science & ML: TensorFlow, PyTorch, Scikit-Learn, Pandas, NumPy, Matplotlib, Seaborn.

Backend Development: FastAPI.

Version Control: Git, GitHub

Data Analysis: Data Preprocessing, Data Analysis, Visualization.