

Dev Mandal

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Professional Summary

Highly motivated and detail-oriented data science enthusiast with a strong foundation in machine learning, database management systems, and artificial intelligence. Proficient in a range of technical skills, including Python, SQL, and data analysis. Proven ability to work on projects that integrate NLP, deep learning, and sentiment analysis. Eager to apply skills and knowledge to drive business growth and improve healthcare accessibility.

Skills

- Machine Learning (TensorFlow, PyTorch, Scikit-Learn)
- Database Management Systems (DBMS)
- Artificial Intelligence (AI)
- Natural Language Processing (NLP)
- Deep Learning
- SQL
- Python
- Data Analysis & Visualization (Pandas, NumPy, Matplotlib, Seaborn)
- Front-end Development (HTML, CSS, JavaScript)
- Django
- Version Control (Git and GitHub)

Professional Experience

Data Science Intern, YHills Edutech (Mar 2024 – Apr 2024)

- Completed a one-month data science internship, building data pipelines and predictive models using Python, Pandas, and SQL.
- Conducted exploratory data analysis and visualizations using Matplotlib and Seaborn to extract actionable insights.

Education

- **Master of Computer Applications (MCA)**, Uttaranchal University, Dehradun, India (2024 – 2026), CGPA: 7.8 (Till Date)
- Relevant Coursework: Machine Learning, Database Management Systems (DBMS), Artificial Intelligence
- **Bachelor of Computer Applications (BCA)**, Uttaranchal University, Dehradun, India (2021 – 2024), CGPA: 8.7
- Relevant Coursework: Data Structures & Algorithms, Data Analysis, Operating Systems, Software Engineering

Projects

AI-Powered Voice Assistant (Oct 2024)

- Developed an advanced voice assistant integrating NLP, deep learning, and sentiment analysis for intelligent interactions.
- Implemented secure authentication, real-time web scraping, task automation, and interactive media control, enhancing user experience.

End-to-End Medical Chatbot (Jan 2025)

- Developed an AI-powered medical chatbot using machine learning and NLP, trained on Kaggle medical datasets for accurate symptom analysis.
- Implemented real-time diagnosis assistance, sentiment analysis, and secure patient data handling, improving healthcare accessibility.

Certifications

- **Introduction to Machine Learning and AI**, Google Cloud (August 2024)
- Gained hands-on experience in supervised and unsupervised learning techniques using TensorFlow and AutoML.
- **Python 101 for Data Science**, IBM Cognitive Class (January 2025)
- Learned Python fundamentals, including data handling, visualization, and NumPy operations.
- **Introduction to Machine Learning and AI**, Google Cloud (February 2025)
- Explored the fundamentals of Generative AI, large language models (LLMs), and deep learning architectures.