

SHREYA MATHUR

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Education

Uttaranchal University

Bachelor of Technology in Computer Science and Engineering CGPA-9.11/10

September 2022 – June 2026*

Dehradun, Uttarakhand

Relevant Coursework

- Data Structures
- Database Management
- Computer Networks
- Algorithms Analysis
- Machine Learning

Experience

Oil and Natural Gas Corporation Ltd

ML Intern

January 2025 – February 2025

Dehradun, Uttarakhand

- Built an automated pipeline to extract and classify images & captions from geological PDFs using Python, spaCy NLP, fuzzy logic, and TensorFlow
- Improved document processing efficiency by categorizing maps, seismic sections, and technical diagrams into structured outputs for faster analysis.
- Ensured accurate classification of images and captions for reliable analysis of geological reports.

Defence Electronics Applications Laboratory, DRDO

AI/ML Intern

August 2025 – Present*

Dehradun, Uttarakhand

- Developing a Speaker Recognition and Verification System to identify and verify individuals based on voice using Python and machine learning.
- Implementing feature extraction and voice classification techniques for accurate speaker identification..
- Working on signal processing and ML models to improve system performance and reliability.

Projects

React To -Do List App

- Built a dynamic To-Do list using React with CRUD operations and local storage.
- Implemented features like task creation, deletion, and completion status, improving task management efficiency.

Weather App

- Created a React-based weather application fetching live data from APIs.
- Implemented search by city, temperature display, and hourly forecast, demonstrating API integration and UI design.

Snake Game / Memory Game(Browser Games)

- Developed interactive browser games using HTML, CSS, and JavaScript.
- Implemented game logic, scoring system, and responsive design for engaging user experience.
- Implemented object-oriented programming practices such as inheritance to create different account types and databases.

Technical Skills

Languages: C, Java, Python, HTML/CSS, JavaScript, SQL

Frontend Tools: React.js, Tailwind CSS, DOM Manipulation

AI/ ML/NLP: TensorFlow, Keras, spaCy, scikit-learn, NumPy

Backend Tools: Node.js, Express.js, WebSockets

Certifications / Extracurricular

Data Science - Internshala Trainings

June 2023 – July 2023

AI with Machine Learning - Remarkskill Workshop, Thomso, IIT Roorkee

September 2024

Participated in National Hackathon 4.0 - COER University

October 2024

Introduction to Front-End Development - Meta

July 2025 – August 2025

Solved 100+ LeetCode Questions