Rashi Dubey

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Education

VIT Bhopal University	Bhopal, Madhya Pradesh
BTech	Expected 2026

Major in Computer Science; Minors in Artificial Intelligence and Machine Learning
Cumulative GPA: 8.67/10

Mahadevi Birla Shishu Vihar	Kolkata, West Bengal
12th Standard	July 2022

ISC Percentage: 90%

Mahadevi Birla Shishu Vihar	Kolkata, West Bengal
10th Standard	July 2020

ICSE Percentage: 93.8%

Work Experience

Software Developer Engineer Intern	Remote
Tuleip AI Solutions	January 2025 – April 2025

- Designed UI/UX prototypes using Figma..

- Created interactive full stack website using ReactJS and NextJS.

- Implemented automation workflows using n8n.io using LLM for newsletter summarization, storing it in a vector database and Retrieval-Augmented Generation (RAG) model application.

Projects

Micro Task Vault	Ongoing

- A web SaaS project that is currently being developed by an eight-member team.

- The project aims to provide a freelance platform starting with two services: Dataset Labelling and Thumbnail Rating, where the client offers a crypto amount that is divided equally among the freelancers.

- Currently, only the frontend has been developed using Next.js. We plan on using Supabase for backend and using blockchain for crypto transactions.

Deepfake Detection	January 2024 – April 2024

- A project that was created using Python Notebooks along with the help of four more team members.

- Deep Learning, specifically ResNet-50 Neural Networks, was the technique used for this model.

- This project read all the videos from two datasets, CelebDF (Celeb Deepfake) and DFDC (Deepfake Detection Challenge), and displayed whether it is a deepfake or not with an 80% accuracy.

- We authored a review paper on deepfake detection methods, where I specifically researched the FaceForensics++ dataset.

Flight Price Prediction System	December 2023

- A Machine Learning project using Python that detects the price of a flight after reading its date, time, number of stops, departure location and arrival location.

- Implemented Supervised Regression model on a dataset of 1000 flights including the previously mentioned attributes, to detect the price of the flight.

- Achieved a 95% accuracy in prediction.

Plant Leaf Disease Detection	August 2023 – November 2023

- Developed a project on Python Notebooks along with the help of four more team members.

- Trained and tested three supervised ML algorithms, Support Vector Machine, Random Forest and Convolutional Neural Networks, were trained and tested to implement instance segmentation on a dataset of 150 images of apple leaves.

- This project read all the plant leaves images from the dataset and revealed the type of disease the leaf has.

- Achieved a 90% accuracy and authored a review paper discussing various plant leaf diseases.

Extracurricular

AI Club	VIT Bhopal
Core Member	May 2023 – Present

- Core member of the editorial team, currently writing an article for *Tech DAIgest Magazine*, a monthly publication for the students of VIT Bhopal University

Health-O-Tech Club   VIT Bhopal
Core Member   April 2023 – April 2024

- Core member of the event management team and helped in managing a quiz competition organized by the club which had a participation of 120 participants. Also organized a hackathon, "Genesis X" that received a participation of 50 participants.

Additional

Technical Skills: Java, C++, Python, Data Structures & Algorithms (DSA), Machine Learning, Node.js, React.js, Next.js
Languages: Fluent in English, Hindi | Conversational in Bengali
Certifications & Training: Online Course in C++ by University of Illinois Urbana Champaign (Coursera) – April 2023, Applied Machine Learning by University of Michigan (Coursera) – December 2023, MATLAB, MATLAB Simulink, Python Essentials-VITyarthi