**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** 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