ADITI

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EDUCATION

Vellore Institute of Technology   Bhopal, India
Bachelor of Technology   *Sept 2022 - June 2026*
Computer Science and Engineering, CGPA: **8.58**

Academic Global School   Gorakhpur, India
Class XII - CBSE   *2021*
Percentage: **90%**

St.Anthony Convent School   Gorakhpur, India
Class X - CBSE   *2019*
Percentage: **93.1%**

SKILLS

Technical: Java, Python, HTML, CSS, JavaScript, ReactJS, MERN, SQL, Database Management
Non technical: Project Management, Communication, Leadership, Adaptability, Teamwork
Developer Tools: MS Excel, MS Powerpoint, VS Code, Google Collab, Scientific Writing, Research, Git, Github

PROJECTS

Annadata | HTML, React, MongoDB |

- Designed and deployed a full-stack AI application to recommend optimal crops based on soil and climate data, enabling farmers and agri-tech platforms to make data-driven decisions for sustainable farming.
- Trained a LightGBM classification model using a dataset with over 2,200 records, analyzing factors including NPK levels, temperature, humidity, pH, and rainfall.
- Built a Flask backend to serve model predictions via a REST API, and integrated it with an intuitive frontend using HTML/CSS.

Identify Your Blood | React, Node, Arduino, MAX30100, IoT |

- Engineered a low-cost, non-invasive SpO2 and heart rate monitor (MAX30100/Arduino UNO), implementing signal processing for reliable PPG signal interpretation and accurate data acquisition.
- Optimized circuit design and custom resistor configurations to effectively resolve hardware challenges related to voltage levels and I2C communication protocols.

Textual Fingerprinting |Python, ML |

- Engineered a BERT transformer-based binary classifier to distinguish AI-generated content from human text, supporting content authenticity and misinformation detection efforts.
- Processed large-scale datasets and achieved high validation accuracy by fine-tuning the model on balanced samples, validated using F1-score and a confusion matrix.

EXTRACURRICULAR ACTIVITIES

GeeksforGeeks Club, VIT Bhopal University   Bhopal, India
Social Media Team Lead   April 2024 - March 2025
Led Advitya 2025 as Social Media Lead for GeeksforGeeks Student Chapter, coordinating 10+ events and hackathons with 500+ participants from planning to post-event analysis.

Business Owner   Present
Handmade Crochet Brand on Instagram (Crochet_by_aditi_)
Launched and managed a full-cycle e-commerce operation, designing, producing, and selling over 250+ handmade crochet items (plushies, bouquets, and custom orders) via Instagram.

Drove marketing and community growth for a brand with 4.5K followers. Also, Oversaw all operational logistics, including product packaging, dispatch, and shipping, ensuring efficient fulfillment and maintaining high customer satisfaction for all orders.

ACHIEVEMENTS .

- Completed a paid technical writing internship at GeeksforGeeks, publishing 10+ in-depth articles on Data Structures, Algorithms and Google docs (2023-2024).
- Selected as a top finalist in a Capture the Flag (CTF) cybersecurity competition conducted by the Linus Club at VIT Bhopal.

ADDITIONAL INFORMATION

- Skilled in video editing with expertise in DaVinci Resolve.