**APRAJITA**

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**Education**

**VIT Bhopal University**  Bhopal, Madhya Pradesh

BTech Expected May 2026

Major in Computer Science; Minor in Health Informatics

Cumulative GPA: 7.94/10

**12th Standard**

**Vidya Bharati Chinmaya Vidyalaya** Jamshedpur,Jharkhand

CBSE Cumulative GPA: 8.0/10 May 2022

**10th Standard**

**Hill Top School** Jamshedpur,Jharkhand

ICSE Cumulative Percentage: 94.8% Jul 2020

**Projects**

Recipe Search Website:

* Developed a user-friendly Recipe Search Website, showcasing web development skills.
* Implemented features for efficient recipe searching and filtering.
* Ensured seamless functionality across devices with responsive web development techniques.
* Incorporated elements like recipe ratings and reviews to foster user engagement and community interaction.

Breast Cancer Classification using ML Algorithms:

* Applied machine learning for accurate Breast Cancer Classification.
* Contributed to developing a model for timely diagnosis.
* Integrated transparent AI techniques for clear insights into the decision-making process.
* Designed the model with a practical focus, aiming to support healthcare professionals in early and reliable breast cancer diagnosis.

Sign Language Detection using LSTM:

* Machine Learning: Designed and trained an LSTM model for real-time sign language detection with [X]% accuracy.
* Data Processing: Implemented video frame extraction, resizing, normalization, and keypoint detection using OpenCV and MediaPipe.
* Model Optimization: Fine-tuned hyperparameters and experimented with advanced architectures to enhance model performance.

**Extracurricular**

**Data Science Club,VIT Bhopal** Oct,2023- Present

Core Member,HR team

* Spearheaded recruitment processes, resulting in a 30% increase in club membership within the first semester.
* Implemented data-driven strategies for team collaboration, leading to a 20% improvement in project completion rates.

**English Literary Association,VIT Bhopal**

Core Member,PR and Marketing

* Collaborating on the development of upcoming promotional campaigns to increase visibility.
* Aiming to boost social media engagement by 20% within the next quarter through targeted content strategies.

Core Member,Technical and Finance Wing

* Financial Management: Managed and allocated budgets for various events and activities, ensuring optimal use of resources while maintaining financial records accurately.
* Data Collection: Created and utilized Google Forms to gather and analyze data for event planning, participant feedback, and financial reporting.

**Blockchain Club,VIT Bhopal**

Core Member,Event Management

* Collaborating with the Event Management team to plan and execute engaging events.
* Currently working on streamlining communication channels to enhance team efficiency, aiming for a 20% reduction in planning time by the end of the semester.

**Activities**

* **Dramatics Club:**
* Participated in Darpan(Stage Play Competition) in Advitya,2023 at VIT Bhopal
* Participated in Band Baja Bollywood(Bollywood ramp walk) in Advitya,2023 at VIT Bhopal
* **Biz-Whiz Club:**
* Participated in Cor-Play(Business Role Play Competition) at VIT Bhopal
* **Volunteered at the inaugural ceremony of Blockchain Club at VIT Bhopal**
* **Was a Council Member in High School(Vice-Captain and Coordinator of my house in std. 8th and std. 9th respectively)**
* **Listed amongst the top 300 teams at the National Level and top 10 at State level in ATL Marathon 2020**

**ADDITIONAL**

**Technical Skills**: Proficient in MATLAB,Simulink,Java, Python,C++ and Microsoft 365,DSA,,DBMS,Computer Networks,SQL

**Languages:** Fluent in Hindi and English

**Certifications & Training:**Fundamentals of Digital Marketing – Mar 2023,Python(Kaggle)-April 2023, HTML, CSS and JavaScript for Web Developers – Nov 2023,Java Spring Framework 6 with Spring Boot 3 course on Udemy-Nov 2024