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Manisha Mitra

Technical Skills: Operating Systems, Database Management System (DBMS), Computer Architecture, Algorithms Analysis, Data Structures, C++, Java, Python, Tech Entrepreneurship, Graphic Design, Graphics

Certification: Python, AIML (VITyarthi)

EDUCATION			
Board	Tenure	Educational institution	CGPA/Percentage
B. Tech (CSE)	September 2023 –Ongoing	VIT Bhopal University, Bhopal	7.81/10
Class XII	July 2021	Birla Bharati School, Kolkata	72.4%
Class X	May 2019	Sample Convent School	89%

ACADEMIC PROJECTS	
ML model	Project 1: Mental Health Companion <ul style="list-style-type: none">▪ Description: Developed an ML model to detect early depression among young adults (ages 19-25) using behavioral and lifestyle data.▪ Technology Used: Machine Learning Algorithms (SVM, XGBoost, Random Forest, KNN, Decision Tree, Gaussian Naive Bayes)▪ Data Processing Techniques: Handling missing values, normalization, categorical encoding▪ Feature Engineering: Behavioral & lifestyle features (sleep patterns, academic pressure, family relationships, social media impact)▪ Model Optimization: Hyperparameter tuning, feature importance analysis▪ Team Size: 5▪ Role: Programmer, Graphic Designer
	Project 2: Mental Health Companion (Continuation) <ul style="list-style-type: none">▪ Description: Ongoing improvements in model accuracy and precision and implementing the model as a website▪ Technology Used: Same as above▪ Team Size: 5▪ Role: Programmer, Graphic Designer

INTERNSHIP EXPERIENCE	
Girlsript Summer of code (Contributor)	2 months Oct’24-Nov’24

EXTRA-CURRICULARS AND ACHIEVEMENTS	
Achievements	<ul style="list-style-type: none">▪ Participant in SIH 2024▪ Rank 15 in Trade Quest, Techkriti’25, IIT Kanpur▪ Participant in ML Hackathon, Techkriti’25, IIT Kanpur▪ Participant in Observe Analyse & Solve, Techkriti’25, IIT Kanpur
Responsibilities	<ul style="list-style-type: none">▪ Graphic Designer, Blockchain Club VITB (Apr 2024 – Present)▪ Photographer, Photography and Movie Making Club VIT Bhopal (Jan 2024 – Dec 2024)▪ Graphic Designer, Notion Community VIT Bhopal (Mar 2024 – Sep 2024)
Extracurricular	<ul style="list-style-type: none">▪ Participant, AdvITYa (Glam VIT fashion show) (2024&2025)▪ Former Karateka (Silver & Bronze Medalist in District Tournament)▪ Active Swimmer (no professional achievement)

ADDITIONAL INFORMATION	
Hobbies	<ul style="list-style-type: none">▪ Avid Book Reader – Read numerous novels of various genre, author and languages▪ Traveller- Visited and explored several places nationally and internationally.▪ Trekking- Succesfully completed several Himalayan and regional Treks with certification.
Languages	<ul style="list-style-type: none">▪ English (Primary language, full proficiency)▪ Bengali (Mother language, full proficiency)▪ Hindi (Full proficiency)▪ French (Partial proficiency)