



# MD.HASHIR HUSSAIN

Kolkata, West Bengal

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## Education

### VIT Bhopal University

B.Tech Computer Science Engineering —-CGPA - 8.62

Oct 2022 – 2026

Bhopal, Madhya Pradesh

### Birla High School

Class 12th—-Percentage-83.6

2021 – 2022

Kolkata, West Bengal

### Birla High School

Class 10th—-Percentage-88

2019 – 2020

Kolkata, West Bengal

## Relevant Coursework

- Data Structures
- Agile Development
- Machine Learning
- Deep Learning
- SDLC
- Artificial Intelligence
- Software Testing
- Operating System

## Experience

### Alignerr - Freelance

June 2024 – Present

Freelance

Remote

- Designed, developed, and deployed machine learning models to address real-world business challenges, leveraging tools such as TensorFlow, PyTorch, and Scikit-Learn.
- Led the development of a sales forecasting system for an e-commerce client using time-series models (ARIMA, LSTM), achieving improved accuracy in demand prediction. Feature extracted, cleaned, and engineered from historical sales data to uncover key business trends and seasonality patterns.
- Deployed the model via a Flask API, enabling real-time access to predictions for client-side applications. Performed hyperparameter tuning and model validation to optimize performance and ensure robustness in production.

## Projects

### Cervical Cytology Classification | Python, Deep Learning, Machine Learning

April 2024

- The project's objective is to create a sophisticated classification system specifically tailored for analyzing cervical cytology images.
- This system will utilize advanced image processing and machine learning techniques to accurately distinguish between normal and abnormal cytology samples.
- The primary aim of developing this robust classification system is to augment the capabilities of healthcare professionals in interpreting cervical cytology results.
- Achieved 97.11(Percent) accuracy by merging features from ResNet-50 and VGG-16 models for classification.

### VITMed Online | HTML, PHP, MySQL, CSS

September 2023

- Provided accessible and comprehensive medical consultancy services through VITMed Online, bridging the gap between students of VIT and expert healthcare professionals.
- The website offers a user-friendly platform that enables patients to seek medical advice and consultations from experienced healthcare professionals, fostering a sense of convenience and comfort.

## Achievements

- **Top 25 Finalist**, Adobe GenSolve Hackathon – Ranked among the top 25 teams out of 10000+ participants for innovative ML-based problem solving.
- **Finalist**, Zelestra x AWS ML Ascend Challenge (Second Edition) – Selected as a national finalist in a highly competitive machine learning challenge hosted in collaboration with AWS.
- **3rd Place Winner**, Bug Bonanza – GeeksforGeeks Club – Achieved 3rd position in a competitive debugging contest focused on software reliability and coding efficiency.

## Technical Skills

**Languages:** Python, Java, C++, HTML/CSS, JavaScript, SQL

**Developer Tools:** Git, VS Code, PyCharm, IntelliJ, Canva

**Technologies/Frameworks:** PHP, PyTorch, Tensorflow, Matplotlib, OpenCV

## Certifications

- Problem Solvers: Mastering Data Structures And Algorithms - ( FacePrep )
- AWS Solution Architect - Associate Certification Program - ( Ethnus )
- Developer Virtual Experience Program - Accenture ( Forage )