

# Mousoomi Shit

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## Education

### Vellore Institute of Technology, Chennai

B.Tech - Computer Science and Engineering, CGPA: 9.04

Sept 2021 – May 2025

Chennai, Tamil Nadu

### Indian Language School

Class XII, PCM with Informatics Practices, Higher Secondary, 93.8% ;

Class X, Senior Secondary, 96.2%

2008 – 2021

Lagos, Nigeria

## Experience

### Programmer Analyst Trainee

Cognizant

Chennai, Tamil Nadu

July 2025 – Present

- Working within the .NET and React domain to develop full-stack web applications.
- Gaining hands-on experience with C#, ASP.NET Core for back-end services, and React.js with TypeScript for front-end interfaces.

### Web Developer Intern

Amarilo Plastics Ltd

Lagos, Nigeria

June 2024 - July 2024

- Developed the company website, improving user experience and accessibility.
- Gained comprehensive knowledge of plastic shoe manufacturing processes.
- Learned and utilized Tally for managing financial records and transactions.

### Data Science Intern

Capabl

Remote

Aug 2023 – Sept 2023

- Developed an LSTM model to forecast Tesla stock prices from historical data.
- Gained hands-on experience in deep learning, data preprocessing, and time series analysis.

## Projects

### Ethical AI for Social Media Monitoring |Python, PyTorch, Hugging Face, Scikit-learn

[Ethical AI](#)

- Built a RoBERTa-based NLP model to classify social media comments as ethical or unethical with 91.67% accuracy.
- Handled class imbalance with weighted loss and performed inference on real-world unlabeled data to test model generalizability.

### MindMate: AI-based Learning Assistant |Python, Streamlit, OpenAI API, PyTTS, gTTS

[MindMate](#)

- Built an AI-powered summarization assistant that converts YouTube videos into interactive notes, audio summaries, and self-quizzes tailored for neurodiverse learners
- Integrated WhisperAI for transcription, GPT-3.5 Turbo for summarization, and gTTS for audio synthesis in an interactive Streamlit app.

### Predict Taxi Trip Duration |Python, Scikit-learn, XGBoost, Pandas

[Taxi Trip Duration](#)

- Built regression models to predict NYC taxi trip duration using geolocation and time-based features
- Engineered features and trained models including Linear, Ridge, Lasso, and XGBoost; evaluated using  $R^2$  and MAPE

## Skills

**Programming Languages:** C#, Python, Java, C/C++, HTML, CSS, JavaScript, TypeScript

**Frameworks:** React, ASP.NET Core, PyTorch, TensorFlow, Hugging Face Transformers, Streamlit

**Developer Tools:** Postman, VS Code, Git, GitHub, Eclipse

**Databases & Cloud:** MySQL, MongoDB, AWS (Certified Cloud Practitioner), Microsoft Azure (Administrator Associate)

**Soft Skills:** Active listening, Teamwork, Quality focused, Problem-solving, Time management

**Languages:** English, Hindi, Bengali, French

## Certifications

- AWS Certified Cloud Practitioner
- Microsoft Certified: Azure Administrator Associate
- NPTEL - Entrepreneurship