

Mousoomi Shit

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Education

Vellore Institute of Technology, Chennai <i>B.Tech - Computer Science and Engineering, CGPA: 9.04</i>	<i>Sept 2021 – May 2025</i> Chennai, Tamil Nadu
Indian Language School <i>Class XII, PCM with Informatics Practices, Higher Secondary, 93.8% ; Class X, Senior Secondary, 96.2%</i>	<i>2008 – 2021</i> Lagos, Nigeria

Experience

Programmer Analyst Trainee <i>Cognizant</i>	<i>Chennai, Tamil Nadu</i> <i>July 2025 – Present</i>
◦ 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 <i>Amarilo Plastics Ltd</i>	<i>Lagos, Nigeria</i> <i>June 2024 - July 2024</i>
◦ 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 <i>Capabl</i>	<i>Remote</i> <i>Aug 2023 – Sept 2023</i>
◦ 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 <i>Python, PyTorch, Hugging Face, Scikit-learn</i>	<i>Ethical AI</i> ↗
◦ 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 <i>Python, Streamlit, OpenAI API, PyTube, gTTS</i>	<i>MindMate</i> ↗
◦ 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 <i>Python, Scikit-learn, XGBoost, Pandas</i>	<i>Taxi Trip Duration</i> ↗
◦ 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