

Adelin Parinita

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EDUCATION

Vellore Institute of Technology

Bachelor of Technology in Computer Science and Engineering: CGPA: 7.77

Bhopal, Madhya Pradesh

Aug 2025

St. Johns International Residential School

Central Board of Secondary Education(Class XII): CGPA: 6.00

Chennai, Tamil Nadu

May 2020

Delhi Public School

Central Board of Secondary Education(Class X): CGPA: 6.21

Dimapur, Nagaland

May 2018

TECHNICAL SKILLS

Programming Languages: Python, SQL, R, C++, Java

Frameworks and Tools: ML, Flask, MySQL Workbench, R-Studio, React.js

Core Skills: Data Structures and Algorithms (DSA), Object-Oriented Programming (OOP), Database Management Systems (DBMS), Computer Networks(CN)

EXPERIENCE

Machine Learning Developer | SmartBridge Educational Services Pvt. Ltd.

Aug 2023 - Nov 2023

- Developed convolutional neural networks (CNNs) for brain tumor detection, integrating advanced deep learning techniques like transfer learning and data augmentation, resulting in a model accuracy improvement of 15% over previous iterations.
- Optimized preprocessing workflow involving hundreds of unique scans through systematic application steps including rescaling and enhancement techniques which resulted in dramatic reductions against baseline errors observed previously.

PROJECTS

Integrated Crop Management System | Python, JavaScript, Flask, MongoDB

Aug 2024 - Present

- Developing a web-based platform to optimize agricultural production by integrating machine learning models and advanced analytics. Empowering farmers and agricultural stakeholders with actionable insights to enhance crop management efficiency and promote sustainability.
- Working to improve crop yield prediction accuracy by 13%, enabling data-driven decision-making for farmers and stakeholders.
- Empowering agricultural sustainability by providing actionable insights to enhance crop management efficiency.

StockGPT | Python, JavaScript, Flask, MongoDB

Sept 2023 - Mar 2024

- Developed StockGPT, a dynamic web application designed to provide real-time stock market analysis and predictions. The application integrates machine learning models and live APIs to offer comprehensive insights and tools for users interested in financial forecasting.
- Implemented predictive models such as ARIMA, LSTM, and Linear Regression to forecast stock trends and prices also integrated live calculators for financial analysis and a currency converter for enhanced usability.
- Utilized APIs to fetch and display real-time stock prices, currency exchange rates, and financial metrics.

CERTIFICATIONS

- AZ-104:Microsoft Azure Administrator
- Artificial Intelligence and Machine Learning Powered by Google Developers
- Python for Data science, AI & Development, IBM

ACHIEVEMENTS

- Received two design patents for innovative period pain relief devices targeting the stomach, lower back, and thighs.
- Research paper "Transitioning from Traditional to Integrated Crop Management: Advancing Cotton Production Practices" accepted for IEEE IATMSI-2025.