

# NALLA ANIKETHAN REDDY

GRADUATE FRESHER

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## PROFESSIONAL OVERVIEW

Enthusiastic and detail-oriented IT graduate with a strong foundation in programming, software development, and problem-solving. Skilled in Python, Java, HTML/CSS, SQL, cloud basics, with hands-on experience from academic projects and internships. Passionate about leveraging technology to develop innovative solutions and continuously learn new technologies. Adept at collaborating in team environments and eager to contribute to organizational growth.

## INTERNSHIP

### STOCK PRICE PREDICTION USING MACHINE LEARNING

(20-MAY-2024 TO 21-JULY-2024)

"During my internship at E-Code Learning Software Services, I worked on a Stock Price Prediction project using machine learning, where I gained hands-on experience in applying algorithms to real-world financial data and developing predictive models to forecast stock prices. This strengthened my expertise in machine learning concepts and their practical applications in financial analytics."

#### Roles & Responsibilities:

1. Developed and deployed ML models (Linear Regression, LSTM, Random Forest) to predict stock price trends using historical market data.
2. Performed data preprocessing, feature engineering, and time-series analysis to improve model accuracy.
3. Integrated data from APIs (Yahoo Finance/Alpha Vantage) and implemented real-time data handling pipelines.
4. Evaluated model performance using metrics such as RMSE, MAPE, and accuracy scores, optimizing hyperparameters for better results.
5. Visualized trends and predictions using Python libraries (Matplotlib, Seaborn, Plotly) for better decision-making insights.
6. Collaborated with team members to document findings and present results, aligning with real-world financial forecasting use cases.

#### CONCLUSION

- Successfully built and deployed a machine learning-based stock price prediction system, gaining hands-on experience in time-series analysis, model optimization, and real-world financial forecasting.
- Enhanced understanding of ML-driven financial forecasting by developing an end-to-end stock prediction pipeline with improved model accuracy.
- Applied ML techniques to real market data, strengthening expertise in predictive analytics and data-driven decision making.

## EDUCATION

### Bachelor's degree(B.TECH)

(ECE – AIML)

(2021 – 2025)

Gandhi institute of technology & management(GITAM UNIVERSITY)

### Intermediate Attained

(2019-2021)

Sri Chaitanya junior college

### Secondary school (2018-2019)

Tejaswi high school

## SKILLS

Programming languages;

C, python, java, Django

Web – Technologies;

Html, css, javascript, dot.net

Data base;

Mysql, Dbms

## ACHIEVEMENTS

Certificates;

- C for everyone-programming
- Electronic vehicle-technology
- Python in machine learning
- Microsoft azure fundamentals

## PROJECTS

### AI-POWERED BIOMETRIC AUTHENTICATION SYSTEM FOR SECURE BANK LOCKERS

Developed an AI-powered biometric authentication system to enhance the security of bank lockers. Leveraging a Raspberry Pi as the core processing unit, I integrated fingerprint and facial recognition technologies to ensure access only for authorized users. This project provided hands-on experience in IoT development, hardware interfacing, AI model deployment on embedded systems, and implementing real-world security solutions.

#### ROLES AND RESPONSIBILITIES

- Selected and integrated hardware components (Raspberry Pi, camera module, fingerprint sensor).
- Implemented secure data storage and encryption mechanisms to protect sensitive biometric data.
- Developed communication between hardware components and cloud/local servers

### ADVANCED VISUAL COMPUTING : MATLAB BASED IMAGE PROCESSING TECHNIQUES

Developed an Advanced Visual Computing project using MATLAB-based image processing techniques to enhance and analyze images. Implemented filtering, edge detection, segmentation, and transformation algorithms to improve visual data interpretation. Applied computer vision methods for object detection and feature extraction, optimizing algorithm performance for real-world applications.

#### ROLES AND RESPONSIBILITIES

- Designed and implemented image enhancement and analysis modules using MATLAB.
- Developed and optimized algorithms for filtering, edge detection, segmentation, and image transformations.
- Evaluated and fine-tuned algorithm performance for speed, accuracy, and robustness in real-world scenarios.

### COLLEGE SPORTS MANAGEMENT SYSTEM .NET PROJECT USING ASP.NET, C# NET & SQL

Utilized the .NET Framework to develop a robust, secure, and reliable application architecture. Designed the system for high scalability and easy integration of future enhancements. Implemented multiple layers of abstraction across the front- end and back-end, ensuring adaptability to evolving business and technological environments.

#### ROLES AND RESPONSIBILITIES

- Designed and developed a multi-layered College Sports Management System using ASP.NET, C# .NET, and SQL Server.
- Implemented a secure, scalable, and modular application architecture with clear separation between front-end, business logic, and data layers.
- Collaborated on UI/UX design to create a user-friendly interface and seamless navigation.

**PROTFOLIO LINK :** [https://anikethan-ux.github.io/anikethan\\_protfolio/](https://anikethan-ux.github.io/anikethan_protfolio/)

I hereby declare that above information is true to best of my knowledge.

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