

# VINAY MANIKANTA SATULURI

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## Professional Summary

A detail-oriented Full Stack Developer specializing in the MERN stack, skilled in building and deploying full-featured web applications. Proven ability to engineer scalable backend APIs, secure user authentication, and payment gateways through professional startup experience. Passionate about leveraging modern technologies to build efficient and robust software solutions.

## Education

### KITS Akshar Institute Of Technology (JNTUK)

B.Tech in Computer Science (AI & ML) — 79%

Graduated April 2025

Guntur, Andhra Pradesh

- Awarded a bronze medal for academic excellence.

## Technical Skills

**Programming Languages:** Python, JavaScript (ES6+), SQL, HTML5, CSS3

**Libraries & Frameworks:** Node.js, Express.js, React.js

**Databases:** MongoDB

**Developer Tools:** Git, GitHub, VS Code, RESTful APIs

## Experience

### US-Based Tech Startup

June 2025 – Present

MERN Stack Developer

Remote

- Led the end-to-end development of a food delivery platform, from designing MongoDB schemas to building a responsive frontend, launching the initial product.
- Engineered the core backend using Node.js and Express.js, creating RESTful APIs for user, order, and vendor management.
- Implemented critical features including secure JWT-based user authentication, order processing workflows, and third-party payment gateway integration.
- Developed two distinct interfaces: a customer-facing portal for browsing menus and placing orders, and a comprehensive vendor dashboard for managing products.

### Eisystems Technologies

Feb 2024 – April 2024

Python with Machine Learning Intern

Remote

- Completed an 8-week training program focused on foundational Python and Machine Learning concepts.
- Applied learning by developing and submitting a "Wine Quality Prediction" model to fulfill internship requirements.

### Codegnan IT Solutions Pvt Ltd

May 2023 – July 2023

Python Full Stack Developer Intern

Vijayawada, Andhra Pradesh

- Gained exposure to Python, MySQL, Flask, HTML, and CSS through a structured internship program.
- Contributed to a team project focused on creating a "Digital Survey Application with Flask".

## Projects

### AI-Based Fraudulent Activity Detection | Python, Scikit-learn, Pandas

- Developed a machine learning model to detect fraudulent bank transactions, improving security and minimizing financial losses.
- Utilized Scikit-learn and Pandas to preprocess and train the model, successfully reducing false-positive rates.
- Engineered features from transaction data to improve model accuracy, achieving a 95% precision rate on the test dataset.

## Publications & Certifications

**Paper Publication:** AI-Based Fraudulent Activity Detection in Banking - Authored a paper on an AI model using XGBoost for real-time fraud detection.

**Certifications:** Career Essentials in Generative AI (Microsoft) | AWS Cloud Technical Essentials (Coursera) | Crash Course on Python (Coursera)