# Surekha Bollineni

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| **EDUCATION** |  | |
| **Chiranjeevi Reddy Institute of Engineering & Technology, Anantapur**  *B.Tech - Computer Science and Engineering -* ***CGPA*** *–* ***7.6*** | *Anantapur, Andhra Pradesh* | **2021 – 2025** |
| **K.G.B.V Junior College, Guntakal**  *PUC - Maths Physics Chemistry Course -* ***CGPA*** *–* ***7.4*** | *Guntakal, Andhra Pradesh* | **2019 – 2021** |
| **K.G.B.V (M) [E.M] School, Guntakal**  *SSC -* ***CGPA*** *–* ***7.8*** | *Guntakal, Andhra Pradesh* | **2018 – 2019** |

# Internship

# Full Stack Web Development Intern Feb–May, 2025 *Besant Technologies, Electronic city, Bengaluru*

* Developed responsive, dynamic web applications using MERN stack under real-world client scenarios.
* Built and integrated RESTful APIs for CRUD operations and user authentication.
* Applied Git and GitHub for version control and collaborative development.
* Implemented frontend components with React, ensuring mobile-first, cross-browser compatibility.
* Gained hands-on experience with backend routing, middleware, and database schema design using MongoDB.
* Completed capstone project involving end-to-end deployment of a full-stack web app.

# PROJECTS

# Real-Time Crypto Trading Simulator*| Python, WebSockets, OKX API, Streamlit* May 2025

* Built a real-time crypto trading simulator using OKX Level-2 WebSocket data to model live order book dynamics.
* Implemented core trading logic including slippage estimation, transaction fee calculation, and market impact modeling.
* Designed an interactive UI with Streamlit for simulating limit and market orders with adjustable parameters.
* Enabled visualization of order book depth, trade execution timeline, and P&L metrics.
* Developed modular, production-ready Python code to simulate realistic crypto trade scenarios for research and testing.

# WORKSHOP PROJECTS

**Artificial Chatbot Project**  *|* Artificial Intelligence, Drive **-2022**

* Developed an interactive chatbot capable of handling basic user queries using natural language processing techniques.
* Designed conversational flows and implemented response logic to simulate human-like interactions.
* Gained hands-on experience with chatbot development tools and frameworks.
* Demonstrated the project in a workshop, showcasing practical applications and user engagement potential.

[**Product Sales Analysis**  *|* Data Analytics, Power BI -**2023**](https://github.com/Yugandhareddy)

* Analyzed product sales data to identify trends, customer preferences, and high-performing items.
* Designed visual dashboards to communicate insights effectively to stakeholders.
* Optimized inventory management by providing actionable recommendations based on analysis.
* Supported strategic business decisions through data-driven insights and reporting.

**Predictive Modeling**  [*|* Artificial Intelligence, Gamma – Chat gpt -**2024**](https://github.com/Yugandhareddy)

* Designed and implemented machine learning algorithms for predictive modeling and real-time decision- making.
* Enhanced operational efficiency by integrating advanced analytics for actionable insights.
* Conducted performance optimization, improving model accuracy and reliability.
* Delivered a scalable solution with measurable impact on decision-making processes.

# TECHNICAL SKILLS

* **Languages:** Python, JavaScript, SQL
* **Frontend:** HTML, CSS, JavaScript, React.js, Bootstrap
* **Backend:** Node.js
* **Databases:** MySQL
* **Tools & Platforms:** Git, GitHub, VS Code, Streamlit
* **Data Science & ML:** NumPy, Pandas, Matplotlib
* **APIs & WebSockets:** RESTful APIs, WebSocket (OKX API)
* **Others:** Object-Oriented Programming (OOP), Responsive Web Design