



# BADAKURAVA KIRAN

Roll No.: 22MMB0A55

B.Tech

Metallurgy and Materials Engineering

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GitHub Profile

LinkedIn Profile

## EDUCATION

- **National Institute of Technology, Warangal** 2026  
B.Tech Metallurgy and Materials Engineering
- **Sri Chaitanya Junior Kalasala** 2022  
Board of Intermediate Education, Telangana
- **Triveni Talent School, Alwal** 2020  
Board of Secondary Education, Telangana

## EXPERIENCE

- **CazeLabs** Feb' 25-present Remote  
**Frontend Developer**
  - Built the complete frontend of the **Cost Sense product** from scratch using React, MUI, and **Redux**, implementing complex UI components, charts, and an **AI-powered bot** assistant to enhance user engagement and data visualization.
  - Efficiently **handled API interactions** and **utilized Redux for state management** to ensure smooth data flow and seamless user experience.
  - Ensured a seamless user experience by **leveraging MUI's grid system and custom media queries** to maintain **responsiveness** across various devices.
  - Integrated **interactive charts** and dashboards to present **real-time cost analysis**, enabling users to make informed decisions efficiently.

## PERSONAL PROJECTS

- **Full-Stack Paper Trading Application** May'25  
*GitHub link*
  - **Developed an AI-powered trading bot using Groq (LLaMA-3)** a tools to simulate trades, manage positions, and provide real-time decision-making suggestions in a paper trading platform.
  - **Integrated real-time market data** using **WebSockets** to stream live cryptocurrency/stock prices, enabling instant trade execution and dynamic portfolio updates.
  - **Implemented advanced trading features** including **short selling, P&L calculations**, limit/market orders, and order history tracking, simulating realistic trading scenarios for users.
  - **Built robust backend APIs** with **Node.js, Express, and Mongoose**, handling authentication (JWT), order execution logic, and position tracking.
  - **Configured CORS policies** and cookie handling to facilitate secure communication between the frontend and backend across different origins.
  - Utilized **Redux for global state management**, enabling consistent and efficient data flow across the application.
- **Alpha Research Toolkit using FastMCP and WorldQuant BRAIN API** May'25  
*GitHub link*
  - Developed an alpha research toolkit using FastMCP and WorldQuant BRAIN API for dataset retrieval and management.
  - Successfully **automated** the simulation of **500+ alphas** using the WorldQuant Brain platform API, optimizing the process and increasing efficiency in alpha creation
  - Implemented alpha simulations and data-driven strategies using automated pipelines with Claude for advanced analysis and insights.
  - Optimized alpha performance analysis by leveraging Claude prompts for deep data insights and actionable results.

## TECHNICAL SKILLS AND INTERESTS

**Languages and Libraries:** HTML, CSS, Tailwind, Bootstrap, JavaScript, React.Js, Node.Js, PHP, Express.Js, TypeScript, Redux, Python, C++, SQL, NumPy, Pandas, Matplotlib, Seaborn,

**Problem Solving Skills:** Data Structures and Algorithms

**Databases:** MongoDB, MYSQL, SQL Server Management Studio, PostgreSQL

**Software:** Git, GitHub, Postman, Power BI, MS Excel, Jupiter Notebook, Kaggle, Microsoft PowerPoint, Canva

**Soft Skills:** Problem solving, Analytical Thinking, Effective communication, Presentation

**Areas of Interest:** Development, Business, Entrepreneurship, Finance Analytics, Consulting, AI

## ACHIEVEMENTS

- Secured International Rank 149 in WorldQuant Super Alpha Competition Built high scoring Alphas Mar'24