VENNAPUSA ANIRUDH REDDY

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Professional Summary

Computer Science graduate with hands-on experience in full-stack development and machine learning, and a keen interest in Artificial Intelligence. Strong foundation in web technologies, programming, data structures, algorithms, and problem-solving. Eager to contribute to meaningful projects and grow within a culture that fosters creativity and continuous learning.

Technical Skills

- **Programming Languages:** Java, Python, JavaScript, HTML5, CSS3
- **Databases:** MySQL, MongoDB, Firebase
- **Frameworks & Libraries:** Spring Boot, Django, React.js
- **Tools & Technologies:** Git, Postman, RESTful APIs, JWT Authentication, AI Integration (LLM), Prompt Engineering
- **Data Science & ML:** NumPy, Pandas, Matplotlib, Scikit-learn

Projects

Mint - AI-Powered Food Inventory Manager   *React Native, Expo, Node.js, Firebase, Gemini AI*
- After noticing groceries repeatedly expiring unused, developed a mobile app that scans product labels, tracks expiry dates, sends timely alerts, and suggests recipes to prevent food waste and save money.
- Mobile app using React Native with serverless Node.js backend on Vercel. Integrates Google Vision API for label OCR scanning, Gemini AI for nutritional analysis and recipe generation, Firebase for auth and real-time data, and automated Cron Jobs for expiry notifications via FCM.
- **GitHub** || **Web Demo**

BuyHub - Hub for Online Shopping   *React, Spring Boot, MySQL, Razorpay*
- Developed an e-commerce solution to help small businesses sell online affordably, eliminating dependency on third-party platforms while providing essential e-commerce features.
- Full-stack platform using React frontend and Spring Boot backend with MySQL database. Features JWT authentication with role-based access, complete shopping cart and checkout flow, Razorpay payment integration, real-time order tracking, and automated inventory management.
- **GitHub** || **Live Demo**

SpamCheck - Check Texts for Spam   *Python, Gradio, React*
- Developed to combat increasing spam messages affecting communication quality and security. Aims to provide more accurate detection than traditional single-model approaches through ensemble learning methodology.
- Multi-model system combining BiLSTM, XGBoost, Reinforcement Learning, and GAN with ensemble voting achieving 12% better accuracy and 15% higher recall. Features Gradio API backend, React frontend supporting single text and bulk CSV classification, and real-time performance dashboard.
- **GitHub** || **Live Demo**

Education

Bachelor of Technology in Computer Science and Engineering   Dec 2021 – Jun 2025
Sri Venkatesa Perumal College of Engineering and Technology   **CGPA:** 9.2/10

Higher Secondary Education   Jun 2019 – May 2021
Sri Chaitanya Junior College   **Percentage:** 92%

Certifications

- **Machine Learning Specialization** – Coursera (2025): Comprehensive course covering supervised learning, unsupervised learning, and neural networks with practical implementations.
- **Data Structures using Python** – NPTEL (2023): Core data structures including trees, graphs, heaps, and advanced algorithms for efficient problem-solving.
- **Joy of Computing using Python** – NPTEL (2022): Python programming fundamentals and computational thinking skills for real-world automation tasks.