

# CHETHAN VASTHAW TIPPANI

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## OBJECTIVE

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I'm an enthusiastic and self-taught technologist who enjoys building tools that solve real-world problems. From AI-based apps to decentralized platforms, I love experimenting with tech and using it to drive meaningful impact.

## EDUCATION

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**12th Grade, Resonance Junior College, Warangal, Telangana** 2025 Academic Achievement: 89.1% in 12th Grade

## SKILLS

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Languages	Python, JavaScript, HTML, CSS, Solidity, TypeScript
Frameworks/Tools	React, Firebase, Hardhat, Git, Firestore
Tech Areas	dApp development, AI Web Tools, Data Science, ML, Automation, Cybersecurity (basic)
Creative	Graphic Design, Video Editing, UI/UX

## PROJECTS

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**Customer Purchase Behavior Analysis & Prediction – (2025)** Developed a comprehensive ML-powered system to analyze Amazon customer behavior using K-Means clustering, Linear Regression for CLV prediction, and Logistic Regression for churn prediction. Built interactive Power BI dashboards and processed 2,000+ customer records with 20.6% churn identification accuracy. [\[GitHub\]](#)

**AI4AndhraPolice – Grievance Redressal System (2025)** Built a complete AI-powered solution for the Andhra Pradesh Police to streamline case handling. The system allows constables to submit petitions, extracts structured data using GenAI, evaluates evidence, and generates reports for final decision-making. Featured Firestore, OCR, and real-time dashboards. [\[Watch Demo\]](#)

**Yantraksh – Finalist at IIT Bombay Techfest (2024)** Developed two powerful applications for social impact:

- A decentralized application (dApp) with real-world use.
- A farmer empowerment app that suggests crop strategies using AI, weather & soil data, and connects farmers to local help centers. [\[Figma UI\]](#)

**Food Donation Platform – FoodShare (2025)** Created a web app to connect food donors with NGOs, reduce food waste, and improve logistics. Features include live messaging, auto-filled addresses, and donation scheduling. [\[Demo\]](#)

**Enterprise AI Cost Optimizer (2025)** Developed a platform to help enterprises estimate and compare AI usage costs, including ROI-based suggestions and optimization. [\[Demo\]](#)

**Blockchain-Based Healthcare App – MedChain (2025)** Built a decentralized platform for secure sharing of medical records using smart contracts and blockchain. Includes OCR for documents, encryption, and transparency. [\[Demo\]](#)

**ScanSpark App (2024)** Designed a free document scanner app for students. Clean UI, fast PDF generation, and completely subscription-free. [\[Play Store\]](#)

**EventPravesh – NFT Event Ticketing Platform (CBIT Hacktoberfest, 2025)** [\[GitHub\]](#) Full-stack NFT ticketing platform built with React + Supabase and Nexus Testnet smart contracts. Features event creation, NFT ticket minting (ERC721 on Nexus Testnet), QR-code based 3-layer verification (signature + DB + on-chain), custodial wallet flow, staff management, and a secure verification workflow. (Working prototype and demo links in repository.)

**GuruJi - Personalized Rural Learning Companion (NxtWave x OpenAI Academy buildathon — State-level)** AI-powered quiz platform for rural students with multi-language support (English/Hindi/Telugu), real-time multiplayer, AI question generation, voice integration, and PWA/mobile-first design. Built as part of Team Yantraksh for NxtWave & OpenAI Academy; selected to state-level buildathon. [\[GitHub\]](#)

**Laser Security System for Bank Lockers (2022)** Built a laser-based locker security system and won 1st place at the district science fair. Qualified and presented at the state level. [\[Read About the Project on Blogspot\]](#)

## INTERNSHIP EXPERIENCE

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### Summer Training Program – IIT Kanpur

June-August 2025

- Completed 1-month intensive summer training program focusing on advanced technology concepts, research methodologies, and hands-on project development at one of India's premier technical institutes.

### Frontend Developer Intern – Canvas for Impact (NGO)

2025

- Completed a 1-month internship designing and deploying a modern, responsive website for a student-led NGO focused on social awareness through visual storytelling.
- Delivered a clean UI/UX experience using HTML, CSS, and JavaScript with Git-based deployment. [\[Visit Website\]](#)

### Study2Career.ca – Study & Career Consultancy Website

2025

- Built Study2Career.ca — a production-ready website for Canadian study, career and immigration consulting. Features: multiple pages (Home, Services, Resources, Blog), admin-managed blog, Calendly integration, SEO optimizations, and responsive UI. [\[Live Site\]](#)
- Implemented Supabase-backed CMS, SEO prerendering, and performance optimizations while using free hosting (Vercel) and no-cost backend.

## ACHIEVEMENTS

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- Finalist at IIT Bombay Techfest (2024) – for dApp and farmer empowerment app
- Reported a security vulnerability in the Dharani state portal – acknowledged by NCIIPC (2022)
- 1st Place at District Science Fair – Laser Security System (2022)
- Top 1% – Outlier UI Hackathon (2025)
- Selected to state-level NxtWave x OpenAI Academy buildathon (participated at state level).

## CERTIFICATES

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- Collection of all certificates: [Google Drive Folder](#) — (All participations, hackathon entries, simulations, and certificates referenced in this resume are available in the linked Drive folder.)

## EXTRACURRICULARS

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- Built free websites for small restaurants and shops in my hometown to help them grow digitally.
- Created a test cryptocurrency to explore token logic and blockchain mechanics.
- Managed and contributed to multiple YouTube channels — handled video editing, thumbnails, content design, and upload schedules.
- Explored bug bounty by finding and reporting a real bug to a state government site.
- Active in blockchain hackathons and testnets (e.g., Celer, Polygon, Nexus, 0g AI).
- Participated in workshops and short courses including OpenAI Academy, Mechatronics at IIT Hyderabad, 5-day Agentic AI by Google, and the JP Morgan Chase Software Engineering Job Simulation, among others — continuous learning across these domains is a core interest for me.