KOTHEM ARVIND SAI TEJA

+91 9393532917 ◇ Visakhapatnam, AP

arvind181205@gmail.com ◇ [LinkedIn URL] ◇ [GitHub URL] ◇ [Portfolio URL]

SUMMARY

Top-ranked engineering student (CGPA 9.50/10.0) with a proven track record in competitive programming (Top 1% finishes on CodeChef), full-stack development, and AI. Combines a strong foundation in Data Structures and Algorithms with hands-on experience in building and deploying scalable applications. Seeking to apply advanced problem-solving skills to tackle complex callenges.

EDUCATION

B.Tech in Electronics and Computer Engineering, Vignan's Institute of Information Technology   Expected May 2026

- **Academic Excellence Award 2024** for securing the highest CGPA (9.50/10.0) among 1,200+ students across all disciplines.
- Shortlisted for the **IET Scholarship Award 2025**, placing in the top 5% of 65,000+ national applicants for academic and technical leadership.

TECHNICAL SKILLS

Languages	Java, Python, C++, JavaScript, TypeScript, SQL
Frontend	React.js, Next.js, HTML5, CSS3, Tailwind CSS
Backend	Node.js, Express.js, Flask, FastAPI, RESTful APIs
Cloud & AI/ML	AWS (S3, EC2), TensorFlow, Scikit-Learn, OpenAI API, Model Deployment
Databases	MongoDB, PostgreSQL, MySQL, Firebase

COMPETITIVE PROGRAMMING & HACKATHONS

- **DSA Proficiency:** Solved **250+ problems** across LeetCode (Top 30%), CodeChef (2 star, Rating 1460+),Hackkerank (4 star on Problem solving) and Codeforces (Pupil).
- **CodeChef Elite Performance:**
  - Global Rank **17** out of 15,000+ participants in Starters 189 (June 2025).
  - Global Rank **38** out of 14,000+ participants in Starters 184 (April 2025).
- **Hackathon Awards:**
  - Secured **2nd Place** at the International Women's Day Hackathon among 50+ teams.
  - Received the **Founder's Choice Award** at the WorthyHack Hackathon for innovative solution design.

PROJECTS

Zero Hunger — AI-Powered Food Supply Chain Optimization   [*GitHub*] [*Demo*]
Tech Stack: Python, Flask, TensorFlow, Next.js, PostgreSQL, AWS

- Architected a full-stack web application to minimize food waste by optimizing the redistribution supply chain, a challenge analogous to e-commerce logistics.
- Implemented a predictive modeling engine using TensorFlow to forecast surplus food availability with 85% accuracy.
- Engineered a real-time matching algorithm to connect food donors with recipients, successfully **reducing food wastage by an estimated 40%** in the simulated model.

ArgriConnect — AI-Powered Agricultural Support Platform   [*GitHub*] [*Demo*]
Tech Stack: Next.js, Flask, TensorFlow, OpenCV, MongoDB

- Developed a platform to provide direct market access and AI-driven crop disease detection to farmers.
- Built and trained a Convolutional Neural Network (CNN) model that identifies crop diseases from images with **92% accuracy**.
- Integrated a voice-enabled navigation feature using Web Speech API to increase platform adoption by 30% among users with low literacy.

INTERNSHIPS AND EXPERIENCE

Project Intern   Jan 2024 - Jun 2024
Elite Solutions   *Vizag, AP*

- Collaborated with the team to design and implement a predictive model using LSTM networks, enhancing the analysis of financial data for stock price forecasting

LEADERSHIP & INITIATIVES

- **Joint Secretary, Student Council, VIIT:** Represent and advocate for a student body of **2,000+ students**, acting as the primary liaison to faculty on academic and extracurricular matters.
- **IEEE Technical Fest Organizer:** Co-organized a 3-day university fest with **15+ technical events**, managing logistics and outreach to attract over **500 participants**.
- **Technical Writer:** Authored **12+ articles** on Medium and Substack on topics in AI and software development, attracting over **1,500 monthly views**.

CERTIFICATIONS

- **Microsoft:** AZ-900, AI-900, DP-900, SC-900, PL-900
- **Industry:** ServiceNow Certified System Administrator (CSA) — GitHub Foundations
- **Academic:** Internet of Things (*Stanford University*) — Operating Systems, Cybersecurity, LLMs (*NPTEL*)