




PARUCHURU TARUN

 LinkedIn  GitHub  LeetCode  CodeChef  HackerRank

AI/ML — Web Developer — Java Developer — Competitive Programmer

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SUMMARY

Final-year Computer Science student at Vignan University with a strong foundation in AI, Machine Learning, Data Structures & Algorithms, and Full-Stack Development. Skilled in Python, Java, and C++ with hands-on experience in building AI/ML models and web applications. Passionate about creating intelligent, scalable solutions and contributing to innovative, real-world projects in collaborative team environments.

EDUCATION

Vignan's Foundation for Science, Technology & Research, Guntur *August 2022 - Present*
Bachelor of Technology, Artificial Intelligence and Machine Learning *Overall CGPA: 8.4*

Sri Chaitanya Junior College, Tenali, Guntur *June 2019 - March 2021*
Intermediate, MPC. *Overall Percentage: 88.3*

K. S. M. High. School, Tenali, Guntur *May 2019*
SSC. *Overall Percentage: 95*

TECHNICAL STRENGTHS

Programming Languages	Python, Java, C++(Basics), C(Basics)
Databases	MySQL(Intermediate), Firebase(Basics), MongoDB(Basics)
Web Technologies	HTML, CSS, JavaScript(Basics)
Technologies	MERN stack(React.js, Express.js)

PROJECTS

EmoTune: A Deep Learning Approach for a Real-Time Emotion-Based Music Recommendation System *View Project Repository*

- Developed facial emotion recognition using CNNs and FER-2013.
- Handled data imbalance via augmentation.
- Recommended music based on emotional state.
- *Technologies Used:* Python, TensorFlow, OpenCV, Keras

Resume Analyzer using Deep Learning *View Project Repository*

- Analyzed resumes using BERT and cosine similarity.
- Displayed job match score and improvement suggestions via web UI.
- *Technologies Used:* Python, TensorFlow, Flask, BERT, Scikit-learn

HelperBot using MERN Stack *View Project Repository*

- Built chatbot with MERN stack and Gemini API for real-time responses.
- Enabled dynamic knowledge base updates via web dashboard.

- *Technologies Used:* MongoDB, Express.js, React.js, Node.js, Firebase

Music Streaming Website

[View Application](#)

- Developed a responsive platform for streaming songs, albums, and podcasts.
- Implemented playlist generation, search, and optimized backend.
- *Technologies Used:* HTML, CSS, JavaScript.

CERTIFICATIONS

IBM

Gen AI Foundational Models for NLP & Language Understanding

October 2025

[View Certificate](#)

TCS

Effective Communication

March 2025

[View Certificate](#)

NPTEL

Pattern Recognition and Application

November 2024

[View Certificate](#)

NPTEL

Learning Analytics Tools

October 2025

[View Certificate](#)

ACADEMIC ACHIEVEMENTS

- **Creative Problem Solving** – Participated in Amazon hackathon and suggested my idea for the personalized content recommendation engine for Fire TV that considers mood, past behavior, and time of day.
- **Strong Leadership** – Led project teams for campus hackathons involving full-stack development.

LEADERSHIP & EXTRA-CURRICULAR ACTIVITIES

Lead of the Anchoring & Content Writing team in the Mahostav 2025, a national level youth festival in my third year. [Certificate Link](#)

Lead of the Literary Vertical in the University Student Body in my 3rd year. [Certificate Link](#)

Winner of several inter and intra level university competitions.

PERSONALITY TRAITS

- Leadership
- Creative Thinking
- Self-Motivated
- Adaptability
- Positive Attitude
- Effective Communicator

Place: Tenali

Date: September 16, 2025

Signature: P. Tarun