

TANGILA DURGA RAO

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Professional Summary

Aspiring Software Engineer with strong analytical and engineering skills, expertise in Java, Python, and Linux systems, and experience in building full-stack and AI/ML applications. Proven problem-solving ability with a strong global competitive programming ranking

Technical Skills

- **Backend:** Java, Python, C++, Node.js, Spring Boot, REST APIs, Microservices
- **Operating Systems:** Linux, Windows
- **Frontend:** React, Angular, HTML5, CSS3, JavaScript
- **Database:** MongoDB, MySQL
- **DevOps/Cloud:** AWS, Docker, Git, Jenkins
- **Testing:** JUnit, Unit Testing Frameworks
- **AI/ML:** TensorFlow, Pandas, Scikit-learn, Data Visualization

Soft Skills

Excellent Communication | Presentation Skills | Problem-Solving | Team Collaboration | Analytical Thinking | Agile Development

Education

Bachelor of Technology | Computer Science And Engineering
Aditya College of Engineering & Technology, JNTUK University

Aug 2022 – May 2026

Projects

IPL Score Prediction Using Deep Learning | Python, TensorFlow, LST | [GitHub](#) **May 2024 – July 2024**

- Achieved 92% accuracy by engineering features (run rate, wickets) from historical ball-by-ball data and optimizing the model (RMSE: 12.5) with hyperparameter tuning
- Deployed interactive Streamlit dashboard for real-time predictions.
- Demonstrated full-stack deployment and model integration
- Designed and deployed a scalable predictive system with TensorFlow and Python, integrating a real-time dashboard for interactive use. Applied system optimization techniques for improved performance.

Internship Experience

Full Stack Intern | APSSDC (AI/ML Focus) | APSSDC

May 2024 – July 2024

- Gained hands-on experience in data preprocessing, feature engineering, and AI/ML model development using Python.
- Worked on real-world datasets, applied machine learning algorithms, and generated actionable insights.
- Enhanced skills in Python, Pandas, NumPy, Scikit-learn, TensorFlow, and data visualization.
- Strengthened full-stack capabilities by working across Python, React, and cloud tools.
- Presented findings and project outcomes to mentors and peers, enhancing communication and presentation skills.

Certifications

- Java Basics from Hacker Rank
- Java Programming from EDX
- Python Essentials from IBM
- JavaScript Basics from Hacker Rank
- SQL Basics from Hacker Rank
- AIML Internship Certificate from APSSDC

Academic Achievements & Activities

- **CodeChef (2★):** Rating **1496**, solved **257+ problems**; earned Problem Solver (Silver) and 50-day Daily Streak (*Gold*) badges
- **LeetCode:** Solved **184+ problems** (C++: 78, Java: 70, Python: 36); strong in Dynamic Programming & Arrays; earned 50-day & 100-day streak badges
- **HackerRank:** Verified certifications in Problem Solving, Java, and SQL; badges in Java, Python, SQL, and C