



TULUGU JAYANTH

Full Stack Developer | Python | React.js | Machine Learning

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PROFESSIONAL SUMMARY

Dedicated and results-driven **Full Stack Developer** skilled in **Python, Django, React.js, and Flask**, passionate about building **AI-integrated, scalable web solutions**. Demonstrated ability to design, develop, and deploy full-stack applications with measurable impact. Proven experience in team collaboration, problem-solving, and delivering end-to-end software products.

Keywords: Python, Django, React.js, Node.js, REST APIs, Docker, AWS, CI/CD, PostgreSQL, MongoDB, Machine Learning, SDLC

TECHNICAL SKILLS

Frontend: React.js, Next.js, Tailwind CSS, TypeScript, HTML5, CSS3

Backend: Django, Flask, FastAPI, Node.js, Express.js

Database: MongoDB, PostgreSQL, MySQL, SQLite

DevOps & Cloud: Docker, AWS (EC2, S3), GitHub Actions, CI/CD

Tools: Git, GitHub, Postman, VS Code, Nginx

Machine Learning: Python, Scikit-learn, TensorFlow, Pandas, NumPy, Matplotlib

PROJECTS

AI-Powered Gemini Clone | React.js, Node.js, Google Gemini API

- Built a real-time AI chat assistant inspired by Google Gemini for contextual Q&A and text generation.
- Integrated Gemini 2.0 Flash API for high-speed, low-latency responses.
- Delivered a clean, responsive UI using React Hooks and optimized fetch-based API calls.
- Impact: Improved response efficiency and UI responsiveness by **40%**.

Expense Tracker | Django, SQLite, Bootstrap

- Developed a secure personal finance app for users to log income and expenses, view history, and delete entries.
- Implemented user authentication (signup/login) using Django's built-in auth system.

- Enhanced budgeting accuracy by 25% through categorized expense summaries and visual analytics.
- Impact: Reduced manual tracking time by 90%.

Favorite Movies App | React.js, OMDb API

- Created a movie search and bookmarking platform fetching live data from the **OMDb API**.
- Utilized useState and localStorage for persistent favorites.
- Optimized API calls and UX, resulting in **40% faster page interactions**.

Work Experience

Website Developer (React.js) | Actualize | Bengaluru | Jul 2025 – Sep 2025

- Developed interactive UI components using React Hooks and modular CSS.
- Improved website performance and design consistency, enhancing UX by **30%**.
- Collaborated with the backend team to ensure seamless API integration

Python Full Stack Trainee | JSpyders | Bengaluru | Nov 2024 – Jul 2025

- Completed intensive training in Python, Django, HTML, CSS, and JavaScript.
- Built several mini-projects demonstrating end-to-end full-stack workflow

Machine Learning Intern | DataValley | Virtual | Feb 2024 – May 2024

- Implemented CNN-based system to classify oil palm seed quality from image datasets.
- Achieved **93%** accuracy in classification using optimized model architecture.
- Tools: Python, Pandas, Matplotlib

Full Stack with Python Intern | Virtusa | Virtual | Oct 2023 – Nov 2023

- Developed Flask-based web applications focusing on dynamic user interfaces and backend routing.
- Built a personalized news recommendation system improving reading efficiency by **40%**.
- Tools: Flask, Python, HTML, CSS, JavaScript

EDUCATION

B Tech Computer Science *University College of Engineering Kakinada* **Kakinada, Andhra Pradesh**

Relevant Courses: C, C++, Python, Machine learning, Data Bases, Operating Systems & Computer Networks.

GPA:8.1

INTERMEDIATE *NARAYANA JUNIOR COLLEGE*

Vishakhapatnam, Andhra Pradesh

Relevant Courses: Mathematics, Physics, Chemistry

Percentage:96.4%

SCHOOL *ST.ANN'S CONVENT SCHOOL (ICSE)*

Pathapatnam, Andhra Pradesh

Percentage:90.33%

ONLINE COURSES & CERTIFICATIONS

Python Full Stack Training – JSpyders, Bengaluru

Mastering Data Structures – Udemy

Complete Machine Learning – GeeksForGeeks

Full Web Development Bootcamp – Udemy

SOFT SKILLS

Problem Solving | Team Collaboration | Communication | Adaptability | Continuous Learning

