TEJASRITH TIRUMALASETTY

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Summary

Computer Science graduate with experience in **full-stack web development**, specializing in **React** and **Django**. Skilled in **backend systems**, **RESTful API integration**, **SQL/MySQL**, and **cloud deployment (AWS)**. Adept at **problem-solving** and delivering **end-to-end solutions**.

Technical Skills

Programming Languages:	Python, JavaScript, SQL, HTML, CSS
Backend Development:	Django, Flask, RESTful API, Authentication (Session/JWT), Error Handling
Database Management:	MySQL, SQLite, Stored Procedures, Joins, Indexing, Query Optimization, Transactions
Frontend Development:	React.js, Bootstrap, AJAX, Responsive UI Design
Tools & Platforms:	Git, GitHub, Postman, AWS (EC2, S3 basics), Docker (beginner), VS Code
Soft Skills:	Problem-solving, Communication, Team Collaboration

Education

KL University	**Aug 2021 – May 2025**
B.Tech in Computer Science and Engineering, CGPA: 8.9	Guntur, AP
Narayana Junior College	**Jun 2019 – May 2021**
MPC, Percentage: 89%	Gudavalli, AP
Dr. K.K.R's Gowtham High (E.M) School	**Jun 2018 – May 2019**
SSC, CGPA: 10	Gudivada, AP

Projects

AI Blog Generator | GitHub Mar 2025 – Jul 2025
- Created an AI-driven blog generation platform using **Django**, **SQLite3**, **OpenAI GPT**, and **AssemblyAI**.
- Integrated YouTube video transcription and summarization, achieving **94% accuracy**.
- Built a robust user authentication system and an intuitive admin dashboard with **Django**.
- Applied content moderation using **OpenAI GPT** to ensure relevant and safe content.

Bank Management System | GitHub Apr 2024 – Aug 2024
- Developed a secure Bank Management System using **Python** and **MySQL**.
- Implemented **authentication**, **transaction history**, and **fund transfer** modules.
- Designed efficient database schemas for users, accounts, and transactions.
- Created a clean, interactive **CLI** for smooth banking workflows.

To-Do List Web App | GitHub Jun 2023 – Oct 2023
- Built a task manager using **Django**, **CSS**, **JavaScript**, and **SQLite**.
- Integrated **AJAX** for real-time updates and task filtering (All, Pending, Completed).
- Automated email reminders via custom commands and **cron jobs**, achieving 98% accuracy.
- Designed a responsive UI to enhance task tracking and user engagement.

Publications

Emotion Detection Based on Psychological Signals Sep 2024
Published in Eudoxus Press | Link
- Conducted research on machine learning techniques for detecting emotions from psychological signal data.

Certificates

AWS Certified Cloud Practitioner	View Certificate	Issued by Amazon Web Services
FS Web Development with React	View Certificate	Issued by Coursera