Ungarala Naga Venkata Raviteja

Full Stack Developer — AI Enthusiast

Gurukula Homes-1, Chintal, Hyderabad, Telangana – 500054

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Career Objective

"A Full Stack Developer specialized in Artificial Intelligence and Machine Learning with proven, hands-on experience building intelligent, end-to-end applications. Seeking a challenging role to leverage skills in machine learning model development , computer vision , and modern web frameworks including Angular , React , Next.js , and Node.js to solve complex, real-world problems"

Education

Swarnandhra College of Engineering and Technology **Sep 2021 - May 2025**
Bachelor of Artificial Intelligence and Machine Learning *Narsapur,A.P*
CGPA:8.49

Sri Chaitanya Junior College **Jun,2019 - Mar,2021**
Board of Intermediate Education (M.P.C) *Tadepalligudem,A.P*
93.5

Sujatha E.M High School **Jun,2018 - Mar,2019**
Board of Secondary Education (10th) *Palakollu,A.P*
9.5

Internship

Robocopler pvt Ltd **Nov 2024 – Mar 2025**
FSD Integrated With AI Intern *Vizag, A.P*

- Worked on AI/ML model development for automation tasks, improving predictive accuracy by 12%.
- Developed and optimized machine learning pipelines for real-time data processing and decision-making.
- Gained practical exposure to deep learning frameworks and computer vision techniques.

AIMER Society **May 2024 – July 2024**
Artificial Intelligence Intern *Vijayawada,A.P*

- Collaborated with a team of 4 to implement hand gesture recognition using MediaPipe, achieving 90% accuracy in gesture classification.
- Contributed to the development of 2+ AI applications for real-time use in various industries, enhancing efficiency by 15%.
- Acquired hands-on experience with API integrations, chatbot development, and AI-based solutions.

Projects

Lane Detection for Self-Driving Cars | *Python, OpenCV, NumPy, TensorFlow, PyCharm, HTML, CSS, JavaScript* **link**

- Developed a real-time lane detection system using computer vision to identify and track road lanes.
- Used Canny edge detection and Hough transform to enhance lane accuracy.
- Created a web interface for uploading videos and streaming live processed output.

TalentFlow HR Management System | *React, Node.js, Express, MongoDB, Bootstrap* **Live Demo | Source Code**

- Built an HR platform with modules for employees, leave tracking, performance, and skills management.
- Implemented secure role-based authentication with protected REST APIs.
- Deployed frontend on Vercel and backend on Render using MongoDB Atlas cloud storage.

Employee Spend Management Tool | *MEAN Stack, OCR, QR Code* **Link**

- Developed a full-stack expense management app with approval workflows across departments.
- Integrated OCR + QR extraction for automated receipt reading, reducing manual errors by 20%.
- Enhanced UX with lazy loading and added a cab booking module for quick travel requests.

TinyLink — URL Shortener | *Next.js, Node.js, Postgres (Neon), Render* **Live Demo** | **Source Code**

- Implemented URL shortening with optional custom codes, server-side validation, and unique-code checks (returns 409 on duplicates); follows codes '[A-Za-z0-9]6,8'.
- Built redirect ('/:code') with 302 response, click counting, and last-click timestamp; exposed REST API endpoints ('POST /api/links', 'GET /api/links', 'GET /api/links/:code', 'DELETE /api/links/:code') and a healthcheck at '/healthz'.
- Polished responsive UI (dashboard, stats page '/code/:code'), inline form validation, and deployed to Render with Postgres (Neon); included '.env.example', demo video, and LLM transcript for reproducibility.

Montanary Elevators Website | *Next.js, React, Tailwind CSS, SEO* **link**

- Developed and optimized the company website using Next.js for high performance.
- Designed responsive UI with Tailwind CSS ensuring seamless multi-device experience.
- Improved search visibility using structured SEO optimizations and fast load times.

College Management System | *Angular, TypeScript, LocalStorage, Bootstrap* **Link**

- Built a modular Angular system for students, faculty, and admin workflows.
- Implemented LocalStorage-based session handling without backend dependency.
- Created an Examination Module with hall tickets, marks, notifications, and QR-based attendance.

Technical Skills

Programming Languages: Python, C
Frontend: HTML, CSS, JavaScript
Frontend Frameworks/Libraries: Angular, React, Next.js (Basic)
Backend Frameworks: Flask, Node.js, Express.js
Data Science / ML Frameworks: scikit-learn, TensorFlow, Pandas, Streamlit, Pygame
Databases: SQL (Basics), MongoDB
Data Visualization: Matplotlib, Seaborn, Power BI
Developer Tools: VS Code, Anaconda Navigator, GitHub
Cloud Platforms: Google Cloud Platform, MongoDB Atlas
Other Skills: Data Science, Machine Learning, Artificial Intelligence, Basic DSA

Achievements

Achieved a global rank of 1700 in IEEE Xtreme Programming Competition 18.0 and secured 1st place in the college

Qualified for the finals of the CTF-Cyber Security competition organized by PALS and Edith Cowan University, Australia — selected among the top 40 teams out of 150

Secured 2nd place in the JPMorgan Chase project presentation and demo competition by showcasing innovative project implementation

Certifications

Earned certification in NPTEL's "Python for Data Science"

Completed "AI for India 2.0" program

Certified in Microsoft Power BI

Participated in a 6-day workshop on "Python for Data Science" organized by Swarnandhra College of Engineering and Technology in collaboration with Brain-O-Vision, followed by a 24-hour hackathon

Extracurricular Activities

Worked as a Student Leader in Swarnandhra College of Engineering and Technology for PALS

Worked as an NSS Volunteer

Participated in a 2-day hackathon for project display and presentation