

MANCHALA VENKATA DHARANI

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Portfolio — LinkedIn — GitHub — LeetCode

PROFESSIONAL SUMMARY

Computer Science undergraduate specializing in Full-Stack Development, AI/ML, and NLP with hands-on experience building web applications and intelligent software solutions. Skilled in HTML, CSS, JavaScript, Node.js, MongoDB, Python, and backend development, supported by strong foundations in DSA, DBMS, OS, and Computer Networks.

EDUCATION

B.Tech CSE , RGUKT Nuzvid	8.9/10
Intermediate , RGUKT Nuzvid	9.9/10
SSC , Vikas Vidhya Vihar EM School	599/600

TECHNICAL SKILLS

Languages: Python, JavaScript, C, SQL
Frontend: HTML, CSS, JavaScript, Responsive Web Design, React.js (Basic)
Backend: Node.js
Database: MongoDB, SQL
AI/ML & NLP: Machine Learning, Deep Learning, Transformers, BERT, NLP
Core CS: Data Structures & Algorithms, DBMS, Operating Systems, Computer Networks

PROJECTS

AI-Based Communication Intelligence Platform Live Demo — GitHub

Tech Stack: Python, FastAPI, NLP, Scikit-Learn, HTML, CSS

- Engineered AI-powered communication analysis platform evaluating 5+ speech parameters using NLP and ML techniques.
- Built real-time speech-to-text and automated feedback generation modules reducing manual evaluation effort by 60%.
- Created analytics dashboards and automated PDF reports for generating communication insights within 5 seconds.
- Integrated scalable full-stack architecture supporting real-time interaction and assessment workflows.

Campus Claritas – Campus Information Management Platform

Tech Stack: HTML, CSS, JavaScript, Node.js, MongoDB

- Developed full-stack campus information platform with Student and Admin dashboards using Node.js and MongoDB.
- Implemented secure authentication and role-based access control for 2 distinct user roles.
- Built 5+ announcement modules covering exams, fees, events, sports, and academic notices.
- Integrated responsive interfaces and backend services for streamlined campus communication workflows.

MindEase – Mental Health Stress Prediction Platform

Live Demo — GitHub

Tech Stack: Flask, MongoDB, Python, HTML, CSS, JavaScript

- Built full-stack mental health assessment and stress prediction platform with secure authentication and 10+ questionnaire-based evaluation features.
- Developed ML-driven stress prediction modules and wellness dashboards for behavioral stress analysis.
- Architected responsive frontend interfaces and integrated backend services for seamless user interaction.
- Optimized user engagement using predictive analytics and interactive dashboard visualization techniques.

ACHIEVEMENTS

- Qualified GATE 2026 in Computer Science and Engineering.
- Solved 150+ coding problems on LeetCode focused on Data Structures and Algorithms.
- Participated in Full-Stack Development hackathons and collaborative software development projects.

CERTIFICATIONS

GeeksforGeeks – Full Stack Development Bootcamp
GeeksforGeeks – Python Programming Bootcamp
NPTEL – Foundations of Deep Learning (Elite)
Deloitte Australia – Data Analytics Job Simulation