

TANDYALA RAJU

B.Tech CSE (AI & ML) Student

Portfolio

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Srikakulam, Andhra Pradesh

SKILLS

Languages: Python, C#, Java, C
Web: PHP, HTML, CSS, JavaScript
Databases: MySQL, SQL
Tools: GitHub, OpenCV, NLTK, Tkinter

RELEVANT COURSEWORK

- Data Structures
- DBMS
- NLP
- OOPs
- Computer Networks

PROJECTS

PHP,MySQL, HTML,CSS	Bus Booking Web Application Engineered a full-stack ticket booking platform handling 50+ buses and 500+ daily users ; implemented real-time seat selection, PDF ticket generation, automated email notifications, and an admin dashboard managing 1000+ bookings , resulting in a 40% faster booking process.	GitHub
Python,NLTK, PHP,MySQL	Grammar Correction Tool Collaborated with a 2-member team to build a grammar checker using rule-based NLP, machine translation, and POS tagging; processed 500+ inputs with 95% accuracy , integrated voice output, and implemented user history tracking, enhancing usability for end users.	GitHub
Python,OpenCV, NumPy	Underwater Image Enhancement Enhanced contrast of 200+ underwater images by 35% using CLAHE and Simplest Color Balance; evaluated quality using PSNR, SSIM, and UCIQE metrics, achieving measurable improvements in visual clarity.	GitHub

EDUCATION

2022 – 2026	B.Tech – CSE (AI & ML), CGPA: 9.12 Specialized in Artificial Intelligence & Machine Learning, with a strong foundation in data structures, algorithms, and software development.	RVR & JC College of Engineering, Guntur
2023 – 2026	Honor Degree in Full Stack Web Development, CGPA: 9.0 Gained expertise in MERN stack, ASP.NET Core, RESTful APIs, database management (SQL, MongoDB).	RVR & JC College of Engineering, Guntur
2020 – 2022	Intermediate (MPC) – 97.4%	Sri Chaitanya Junior College,Srikakulam
2020	SSC – 9.7 CGPA	A.P Model School,Edulavalasa

INTERNSHIPS

NITW (Offline)	Intern – ML & Image Processing Researched underwater image enhancement using CLAHE and Simplest Color Balance; presented findings to faculty and documented results.	May 2025 – Jul 2025
Technohacks Edutech (Online)	GUI Developer (Remote) Created desktop applications using Tkinter (calculator, file tools, notepad) to demonstrate GUI functionality in Python.	May 2024 – Jun 2024

CERTIFICATIONS

- Introduction to Natural Language Processing – Great Learning – 2024
- Wipro Talent-Next Program: C# (.Net) Full Stack – 2024
- AWS Cloud Fundamentals – Amazon – 2024

ACHIEVEMENTS

- Maintained a CGPA above 9.0 in B.Tech CSE (AI & ML)
- Completed ML and image processing internship at NIT Warangal
- Designed and launched a full-stack Bus Booking System with real-time seat selection and PDF ticket generation, reducing booking time by 40%.
- Solved over 150 coding problems on LeetCode and HackerRank
- Scored 87% in Machine Learning for Soil and Crop Management certification
- Presented projects to mentors and peers
- Selected for district-level volleyball trials (Andhra Pradesh U-17)