

GUHA PRANAV YELCHURU

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[LinkedIn](#) | [Github](#) | [LeetCode](#) | [Credly](#) | [HackerRank](#)

SUMMARY

Motivated Computer Science student with a 9.47 CGPA. Software Development, Project Management, web Development, UI/UX and AI/ML enthusiast. Lots of internship experience, management, communication and leadership skills.

EXPERIENCE

- AI Software Intern, Deepcept AI** June 2025 - Present
Studied and worked on Computer Vision tasks, including YOLO and Pose detection. Working on Productivity Monitoring Systems.
- Research Intern, Samsung PRISM (Project)** Nov 2024 - Present
Worked on Accoustic Echo Cancellation using Deep Learning. Used Conformer layers and multi-task learning modules to achieve PESQ of 3.6+ and ERLE of 29db+ over complex noise induced audiosets.
- Developer Intern, Zuntra Digital** Aug 2024 - Dec 2024
Worked on Frontend Website development using WordPress and HTML. Co-designed the web page for a few products. Reduced page load time by ~40% through image optimization and improved layout structure.
- Intern, HCL Technologies** June 2024 - July 2024 (3pm - 8pm)
Studied and Worked on Site Reliability Engineering(SLO, SLI). Got introduced to Dynatrace software and analyzed service level dashboards. Revised on ReactJS via tasks.
- Java Intern, CoreNuts Technologies** June 2024 - July 2024 (8am - 2pm)
Created Java classes with over 1500 lines of modular java code according to requirements and contributed to the Student Management Portal project. Improved system responsiveness by ~30% through optimized class structures.

EDUCATION

- Bachelor of Technology, Computer Science Engineering** Sep 2022 - Present
Vellore Institute of Technology
 - CGPA 9.47
 - Member of Student Council and Program Representative
 - Cultural Head of Department at Telugu Literary Association
- Senior Secondary School** April 2020 - June 2022
DPS Whitefield, Bangalore
 - CBSE board exam - 96%

PROJECTS

- ERP Software** ([Link](#))
A web-based ERP system using HTML, CSS, JavaScript, PHP, and MySQL to manage activities. CRUD system for registration, event creation, and a centralized database dynamic dashboard.
- Lunar Rover Lander** ([Link](#))
Implemented a Deep Q-Network (DQN) agent using PyTorch and Gymnasium to autonomously land a spacecraft in a simulated environment with >80% episode success rate.
- AI Healthcare chatbot** ([Link](#))
AI-powered chatbot using Python, NLTK, Flask, and TensorFlow to assist users with basic healthcare queries. HuggingFace LLM Finetuned with LLAMA format healthcare data. Includes keyword-based response generation and real-time interaction.
- Basketball Game Tracking** ([Link](#))
A real-time basketball analysis system using YOLOv8, OpenCV, DeepSORT, and Python (Ultralytics). Includes player detection, tracking, movement heatmaps, team classification, and distance-based performance metrics from video footage.

ADDITIONAL INFORMATION

- TECHNICAL SKILLS:** Python, C++, Java, HTML/CSS/JS, ReactJs, SQL, UI/UX, Flask, Database, DSA, Artificial Intelligence, Deep Learning(Keras, Pytorch, Tensorflow, OpenCV), YOLO, Machine Learning(sklearn), Programming, Cloud services.
- SOFTWARE:** VS Code, Figma, WordPress, AWS, MS Office, Power BI, Kaggle, Roboflow
- AWARDS:** Academic Meritorious award for three consecutive years at VIT Chennai, Semi-Finalist in YIP 2019 by IIT Kharagpur. Various certifications in Olympiads, public speaking, quizzes, arts and sports.
- CERTIFICATIONS:** IBM AI Engineering, Postman Student Developer, IBM Docker Essentials, Oracle Gen AI*.
- LANGUAGES:** English, Tamil, Telugu, Hindi, Intermediate Indonesian, Beginner German.
- OTHERS:** Went to final and prefinal rounds of various hackathons, participated in Google Arcade programme.
- VOLUNTEERING:** Part of management and MC teams for College fests, Completed a crowdfunding internship. Currently part of the Lata Agarwal Foundation NGO.
- Co-authored and Published** two Fictional books ([Bound of Bricks](#)) and poetry.