

Vanguri Sandeep Kumar Yadav

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Sandeep Vanguri



Sandeep kumar

OBJECTIVE

To secure a position in a dynamic organization where I can apply my technical and analytical skills. I aim to contribute to innovative projects while continuously expanding my knowledge. Driven to grow professionally and add value to both the team and the organization

EDUCATION

- **Master of Science, Data Science** 2024 – Present
Indian Institute of Information Technology, Hyderabad
- **Bachelor of Technology in Computer Science & Engineering | CGPA: 7.45** 2020 – 2024
Hyderabad Institute of Technology and Management
- **Intermediate Education | CGPA: 94.5** 2018 – 2020
Sri Gayatri Junior College
- **Secondary Board of Examination | CGPA: 9.0** 2018
S. T Patrick's High School (SSC)

SKILLS

- **Programming Languages:** Python, Java, JavaScript
- **Web Technologies:** HTML, CSS, React.js
- **Database Systems:** MySQL, MongoDB
- **Tools platforms:** Git, Visual Studio Code, Jupyter Notebook, PyCharm
- **Soft Skills:** Communication, Teamwork, Problem solving, Critical Thinking, Decision-making.

PROJECTS

• Placement Portal:

Built a fully functional placement portal using HTML, ReactJS, and MongoDB. The portal provides detailed information about job openings from various companies and upcoming hackathons and events, keeping users informed about career opportunities.

Tools: HTML, CSS, ReactJS, MongoDB.

• PROTO-Customized AI Assistant for personal Tasks:

Develop an AI assistant to enhance productivity by automating tasks, providing personalized assistance, and offering accurate information retrieval using Python libraries and OpenAI's API.

Tools: Python, Speech Recognition, OpenAI API, Requests.

• SmartShot: AI-Powered Archery:

Developed a computer vision-based archery game in Python that detects colored balls hitting a target board using real-time video processing. The game applies perspective transformation and contour detection to identify hit regions on the board and calculate scores dynamically. Interactive polygon annotation was implemented to define scoring zones on the target.

Tools: Python, OpenCV, cvzone, NumPy, HSV Color Detection, Mouse Event Handling

CERTIFICATES

- IBM Certified in Python.
- IBM Certified in Machine Learning
- NPTEL Certified in Cloud Computing.

ACHIEVEMENTS AND PUBLICATIONS

- Winner of Blockchain Technology poster presentation at the Institute of Aeronautical Engineering.
- Secured first position in the Blockchain Technology hackathon at HITAM.
- **Publication:** "PROTO – A Customized Assistant to Optimize Personal Tasks" published in the International Journal of Engineering Technology and Management Sciences (IJETMS).

LANGUAGES

- English
- Hindi
- Telugu