

CHARAN SAI

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SUMMARY

I'm an engineering student passionate about AI and software development with a keen interest in research and innovation. My experience includes working on research papers, developing innovative projects, and participating in hackathons. I am eager to contribute to research initiatives by applying my technical and analytical skills to solve complex challenges and drive innovation.

EDUCATION

Bachelor of Technology in Computer Science(English Medium) 2022 - 2026
Jawaharlal Nehru Technological University Hyderabad.
CGPA: **8.2/10**
Coursework : Data Structures, Data Analytics, Natural Language Processing, English for skill Enhancement.

SKILLS

Programming Languages: Python, JavaScript
Web Development: React, Node.js, Express.js, Firebase, Flask
Databases: MongoDB, PostgreSQL
Python Libraries : Numpy, Pandas, PyTorch
Machine Learning: Supervised Learning, Unsupervised Learning, Reinforcement Learning
Research Tools: Jupyter Notebook
Version Control: Git, GitHub
Soft Skills: Research Aptitude, Team Collaboration, Problem-Solving, Analytical Thinking

EXPERIENCE

ML Intern, AICTE January 2025 - Present

- Working on a project which predicts solar power output using regression techniques focusing on leveraging machine learning to address real-world challenges effectively.
- Gaining hands-on experience in applying ML concepts to tackle practical problems in renewable energy.

Freelance Web Developer November 2022 - Present

- Working as a freelancer developing web apps for various clients.
- Collaborated closely with clients to define project requirements, enhancing customer satisfaction by 20% and Successfully delivered 100% of projects on time, maintaining a 95% client retention rate.

Research Intern, BharatUpSkill August 2023 - October 2023

- Conducted Research and development on various web technologies for academic applications.
- Collaborated with interdisciplinary teams to develop scalable solutions for research-oriented platforms.
- Explored AI-driven approaches to enhance system functionalities.

Research Papers : worked on a research paper and presented in ICWSCS global conference, titled “Cyber Crime Chronicles Protecting Yourself from Financial Fraud”

- exploring strategies to protect from financial scams, analyzing case studies and presented preventive measures to protect us from this digital world.

PROJECTS

Predicting Solar Power Output

Working on predictive model using linear regression to estimate solar power output based on environmental and operational data by understanding theoretical and practical aspects of regression.

Accomplishments:

- Training and validating a linear regression model on a real-world data.
- Technologies/libraries Used: python, pytorch, pandas
- Experimenting with feature engineering techniques to improve model performance.

JNTUH Hub

Developed a JNTUH Notes platform with organized PDF notes, syllabus details, yearly schedules, and an AI chatbot to assist students with subject-related queries.

Accomplishments:

- Created a platform offering pdf notes, syllabus details, yearly schedules, and an AI chatbot for student support.
- Technologies Used: React, PostgreSQL, Supabase, Tailwind CSS
- 90% improvement in query resolution.

EventOrg

EventOrg is a platform that enables organizations to host events with a drag-and-drop interface and automated participant certificate generation.

Accomplishments:

- Successfully automated the certificate generation process, reducing manual effort by 80% and ensuring error-free distribution to participants.
- Technologies Used: React, PostgreSQL, Node JS with express js, Tailwind CSS
- Achieved a 75% increase in user adoption by providing personalized subdomains, leading to better event branding and engagement.

ACHIEVEMENTS & AWARDS

- Finalist at ICWSCS 2024 Conference for Cyber Crime Chronicles Protecting Yourself from Financial Fraud
- Top 3 Award at HackInfinity 2024 for innovative prototype development in hackathon.
- Placed Top 5 position at Hack-Arena Hackathon 2024 hosted by IEEE for an open innovation project.

CERTIFICATIONS

- Microsoft Machine Learning Specialization - Coursera
- UC San Diego Data Structures and Algorithms Specialization - Coursera
- Python Essentials - Cisco NetAcad
- Research Methodologies - Coursera
- IBM Machine Learning with Python - Coursera

LANGUAGES

- **English** : Fluent
- **Telugu** : Native
- **Hindi** : Proficient