Akaash Manda

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Profile

A proactive and self-motivated individual with a growth mindset, ready to embrace challenges and expand knowledge in the ever-evolving tech landscape. Dedicated to professional excellence, fostering collaborative environments, and delivering solutions that enhance efficiency, usability, and scalability.

Education

VNR Vignana Jyothi Institute of Engineering and Technology   2023 - Present
- B.Tech in Computer Science and Engineering   CGPA-9.28

Sasi Junior College   2020 - 2022
- Intermediate MPC   GPA:9.78

Vasavi Ideal Public School   2019 - 2020
- CBSE   GPA:9.16

Projects

Student Management System   C Programming
- Developed a command-line student management system with CRUD functionalities, persistent file storage, and efficient memory management using structures and pointers.

Library Management System   Data Structures in C
- Designed and implemented a library management system using linked lists and binary search trees for efficient book cataloging, retrieval, user authentication, and book issuance.

Word Guessing Game   Python
- Developed a text-based word guessing game in Python with score tracking, difficulty levels, and enhanced mechanics using libraries like random, time, and collections.

Mobile-Based Application Development   Full Stack (Ongoing)
- Developing a cross-platform mobile application using React Native for UI, Node.js for backend, and Firebase for authentication and database management.

Recommender System for Enhancing Creativity through Cognitive Design Thinking NLP
- Developed an AI-powered recommender system using Cognitive Design Thinking and machine learning to personalize learning resources, enhance creativity, and improve problem-solving through user feedback analysis.

Semantic AI ChatBot for Analyzing Cognitive Ability of a Student   NLP
- Designed an AI-driven chatbot using NLP and semantic analysis to assess students' cognitive abilities, provide personalized insights, and enhance learning through real-time feedback.

Early Diagnosis of Mental Illness – MediCare (Medical Bot)   NLP (Ongoing)
- Developing an AI-powered medical chatbot using NLP and deep learning for early mental health detection, with Explainable AI for reliable and interpretable diagnostics.

Technical Skills

Programming Languages: C Programming, Java, JavaScript, Python, Competent in R Programming.
Technologies: HTML, CSS, Bootstrap.
Databases: MySQL, OracleSQL.
Others: Competent in Data Structures in C, Data Visualization using Tableau.
Development Tools: VS Code, RStudio, Anaconda, Eclipse, Code::Blocks.

Certifications

- **Natural Language Processing in Text Processing** - NPTEL
- **Microsoft Cybersecurity Course** - Tata STRIVE
- **Tableau Course** - Internshala
- **Java Programming** - Infosys Springboard
- **Full Stack Web Development** (Ongoing)
- **Python** - GUVI
- **C Language** - A Tech Computers Institution

Achievements

- Competed in **CODENOX**, a coding contest conducted by CSI, demonstrating strong algorithmic and problem-solving skills.
- Successfully **hosted the Navigator Event** for juniors, providing career guidance and mentorship to aspiring students.
- Secured **All India 28th position** in **Inter-School Objective Test**.
- **Participated in Smart India Hackathon (SIH)**, contributing to an IoT-based traffic management solution for optimizing crossroads efficiency.
- **Participated in the ATSO National Exam**, showing aptitude skills and problem solving abilities in a competitive national level assessment.
- **Won first place in inter-school Volleyball and Leg Cricket competitions**, showcasing teamwork and athletic excellence.

Languages Known

- English
- Telugu