

Venkatasai Vadde

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OBJECTIVE

Goal-oriented B.Tech undergraduate in Computer Science and Engineering (AI) with hands-on experience in Python, C, Java, and web technologies. Passionate about AI/ML, problem-solving, and software development, seeking an opportunity to apply my technical expertise, contribute effectively to innovative projects, and expand my knowledge in the field.

EDUCATION

BTECH IN COMPUTER SCIENCE AND ENGINEERING WITH ARTIFICIAL INTELLIGENCE

AMRITA VISHWA VIDYAPEETHAM,
AMARAVATI, AP
2022 - 26, CGPA: 8.82/10

Subjects

Object Oriented Programming
Data Structures and Algorithms

INTERMEDIATE(12TH)

FIITJEE JUNIOR COLLEGE, VIJAYAWADA,
ANDHRAPRADESH
2020 - 22, Percentage: 89.5%

SECONDARY SCHOOL(10TH)

FIITJEE INTERNATIONAL SCHOOL,
VIJAYAWADA, ANDHRAPRADESH
2019 - 20, Percentage: 99.16%

SKILLS

PROGRAMMING

Experienced: Python

Familiar: HTML, CSS, JavaScript

Libraries: keras, scikit-learn, pandas, numpy

TOOLS/APPLICATIONS

Visual Studio, Jupyter, MATLAB

OPERATING SYSTEMS

Windows, Linux

PROJECTS

CLASSIFICATION OF EARLY ONSET OF DIABETES | MACHINE LEARNING, DEEP LEARNING, BAYESIAN NETWORKS

Presented at the International Conference on Artificial Intelligence and Data Engineering.

June 2024 | Amrita Vishwa Vidyapeetham

- Developed a high-accuracy diabetes prediction model using Machine Learning, Deep Learning, and Probabilistic Reasoning techniques.
- Utilized the PIMA Indians Diabetes Dataset (PIDD) and identified key predictive features: Age, SkinThickness, BMI, Insulin, and Glucose.
- Achieved 89.90% accuracy using Neural Networks, outperforming other models like Random Forest and KNN.
- Conducted performance analysis using ROC curves, Precision, Recall, and F1-Score (0.90).
- Findings contribute to early diabetes detection, aiding medical decision-making and resource allocation.

EXPERIENCE

RESEARCH FELLOW | AMRITA VISHWA VIDYAPEETHAM

April 2024 - Present | Amaravati, AP

- Collaborating on a research journal focused on healthcare applications using supervised learning.
- Built a model to predict Parkinson's disease with 99% accuracy using a vocal dataset.
- Incorporated Explainable AI (XAI) methods to interpret and analyze feature contributions, enhancing model transparency and trustworthiness.
- Currently in the writing phase for journal submission.

EXTRA-CURRICULAR

CO-FOUNDER ReLU Club

Nov 2024 - Present

- Co-founded and established the ReLU Club, playing a key role in its development.
- Focusing on problem-solving and AI/ML innovation.
- Organized and conducted 10+ events, workshops, and sessions, boosting skill development.

LEADERSHIP Class Representative

Dec 2022 - Present

- Elected as Class Representative for three consecutive years, demonstrating strong leadership and organizational skills.
- Acted as a liaison between faculty and students, effectively addressing concerns and ensuring smooth communication.

IEEE Member

Jun 2022 - Mar 2024

- Mentored 300+ students during a college-hosted web development bootcamp.
- Hosted an event on IEEE Day at Amrita Vishwa Vidyapeetham.