

SAI SUCHARITHA KALE

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PROFESSIONAL SUMMARY:

Analytical and detail-oriented student pursuing an internship at Marvell to leverage expertise in data science and machine learning. Proficient in [mention languages/tools, e.g., Python, R, TensorFlow, PyTorch]. Seeking opportunities to apply data analysis and modelling techniques to [mention areas of interest, e.g., performance optimization, predictive maintenance, data-driven decision making].

EDUCATION:

VIT-AP University, Amaravathi (2021 – 2026):

Pursuing Integrated M.Tech in Computer Science Engineering | CGPA: 8.24 (Ongoing)

Sri Venkateswara Junior College, Visakhapatnam (2019-2021):

Stream: MPC | Score: 964/1000

Aditya High School, Kakinada (2018-2019):

CGPA: 10

RESEARCH & PUBLICATIONS:

Gestational Diabetes Detection Using Machine Learning (Publication Pending - March 2025):

- Developed an ML model achieving 92% accuracy in early diabetes detection using patient data. Implemented feature engineering techniques to process 10,000+ medical records. Utilized ensemble learning methods combining Random Forest and XGBoost algorithms.

PROFESSIONAL EXPERIENCE:

Data Science Intern, IIT Hyderabad (Jun 2024 - Jul 2024):

- Processed and analysed large-scale healthcare datasets using Python and SQL. Implemented advanced ML algorithms achieving 15% improvement in prediction accuracy on the existing HealthCare Dataset like MIMIC-III.

TECHNICAL PROJECTS:

Smart Home Automation System:

- Developed IoT-based system using Raspberry Pi and Python. Implemented natural language processing for voice command recognition. Achieved 90% accuracy in gesture recognition using computer vision.

Emergency Response Chatbot:

- Built NLP-powered chatbot using Python and BERT model. Integrated with emergency services API for real-time response.

Tourism Website Platform:

- Developed full-stack website using MERN stack. Implemented interactive maps and location-based recommendations.

TECHNICAL SKILLS:

- Languages:** Python (Advanced), Java, SQL, JavaScript, HTML5
- Frameworks:** TensorFlow, PyTorch, React.js, Node.js
- Tools:** Git, Docker, VS Code, Maven, Jupyter, Power BI
- Core:** Machine Learning, Data Analysis, Full-Stack Development

LEADERSHIP & ACTIVITIES:

- Technical Lead, CSI Club VIT-AP:** Led team of 5 in hosting Campus -Held Events.
- Student Coordinator, Rotaract Club:** Volunteered for 3 community outreach programs
- Student Volunteer, VITOPIA 2023-24:** Provided Hospitality for Guests and Outsiders During the 2-day Event.