HEMANTH KUMAR SUNKARI

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SUMMARY

AI/ML-focused Computer Science undergrad with experience in data science, machine learning, and statistical modeling. Skilled in leading projects, analyzing varied data, and presenting actionable insights. Expanding expertise in Azure ML, Databricks, and Power BI for smart manufacturing and supply chain solutions.

EDUCATION

B.Tech in Computer Science(AI/ML), Amrita Sai Institute of Science and Technology **2021 - 2025**
CGPA: 8.85/10 AP, India

Intermediate (MPC), Sri Satya Sai Junior College **2019 - 2021**
Percentage: 97.1% AP, India

SSC (10th), Sri Sai Surya Public School **2018 - 2019**
GPA: 9.8 AP, India

SKILLS

Programming Languages	Python, HTML, CSS
Frameworks/Libraries	NumPy, Pandas, Matplotlib
Data Science Analytics	Data Preprocessing, Feature Engineering, Predictive Modeling, Data Visualization
Databases	MySQL
Developer Tools	Google Colab, VS Code, Anaconda, Power BI (basic), Azure ML (basic), Databricks (basic)
Academic Coursework	Data Structures, Operating Systems (Windows), AI, ML, OOP, DBMS
In Progress	Azure ML Studio, Databricks, Power BI (Self-Learning)
Certifications	Generative AI (Microsoft) | Python (Infosys Springboard) | Python for Data Science (NPTEL) | Career Edge: Young Professional (TCS) | SQL (IBM) | Data Visualization Program (Accenture) (View)

ACADEMIC EXPERIENCE

Team Lead | Heart Disease Prediction System | Academic Project October 2024 - May 2025

- Led a 4-member team in building a predictive ML model using Python and Scikit-Learn to identify heart disease risks.
- Achieved a 20% improvement in prediction accuracy through advanced feature engineering and data preprocessing techniques.
- Analyzed 1,000+ records to identify patterns and created visual dashboards to support model interpretability and user decision-making.
- Applied agile methodology with iterative improvements and version control. (Project Link)

PROJECTS

Food Website: Developed an interactive restaurant site with dynamic menus and user-friendly navigation.(Project Link)

Portfolio Website: Engineered a personal project gallery using HTML/CSS/JavaScript, optimizing load time under 3 seconds using performance tuning strategies. (Project Link)

GameHub: Developed 6+ games with object-oriented design principles to ensure modularity, scalability, and bug isolation. Practiced unit testing and data handling for interactive components.(Project Link)

ACHIEVEMENTS

- Top 3 in Andhra Pradesh, National Leadership Competition; presented tech solutions for "Viksit Bharat" at Bharat Mandapam, Delhi.
- 90%+ scorer in Mathematics Olympiad (First & Junior levels).
- Participant in International English Olympiad – Strong verbal communication and presentation skills.