

SRIRAM BANDLAMUDI

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SUMMARY

Computer Science undergraduate specializing in AIML, dedicated to creating intelligent, data-driven solutions. Demonstrated strong academic performance while leading innovative projects applying machine learning and AI to real-world challenges. Actively contributed to the college tech community through event organization, hackathons, and collaborative initiatives.

EDUCATION

VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad <i>B.Tech in CSE Artificial Intelligence and Machine Learning</i>	2022–2026 CGPA: 9.19/10.00
Narayana Junior College, Hyderabad <i>Intermediate, Board of Intermediate Education, TSBIE</i>	2020–2022 Percentage: 98.0%
Rainbow High School, Hyderabad <i>High School, Board of Secondary Education</i>	2020 Percentage: 79.8%

TECHNICAL SKILLS

Programming Languages: Python, C, C++, JavaScript, HTML, CSS

Tools & Frameworks: Bootstrap, React.js, Node.js, MySQL, REST APIs, MongoDB

Concepts: Data Structures and Algorithms (DSA), Object-Oriented Programming (OOPS), Machine Learning (ML), Natural Language Processing (NLP)

Analytics Tools: Power BI, Tableau, Excel

Platforms: Git, Visual Studio Code, Jupyter Notebook, Google Colab

PROJECTS

Intrusion Detection System using Random Forest — *Deep Learning, Random Forest, SMOTE, LIME*

- Engineered a real-time Intrusion Detection System leveraging **Autoencoder** for anomaly detection and Random Forest for multi-class classification, utilizing the **CICIDS-2018 dataset**.
- Implemented **SMOTE** to mitigate class imbalance, enhancing precision in detecting rare cyber threats.
- Developed an interactive **dashboard** with a Flask backend for real-time **threat visualization** and interpretable model insights.

Resume Screening & Ranking — *Python, Streamlit, spaCy, PyMuPDF, Google Gemini*

- Built an **NLP-based** resume screening system with spaCy and scikit-learn, cutting screening time by 80%.
- Implemented **AI-driven candidate analysis** via Google Gemini API, achieving 90% accuracy in skill matching.
- Created a **Streamlit dashboard** for bulk resume processing and candidate ranking.

Sleep Stage Classification using EEG Signals — *Deep Learning, CNN, LSTM, NumPy, Pandas*

- Developed a hybrid **CNN-LSTM** deep learning model to classify **sleep stages** from EEG signals.
- Employed **Conv1D** for spatial feature extraction and **Bidirectional LSTM** for temporal dependency modeling in 30-second epochs.
- Preprocessed EEG data using **NumPy** and **Pandas**, with interactive visualization of stage-wise predictions.

CERTIFICATIONS

- Earned Elite Gold Grade (Top 2%) in Internet of Things, NPTEL (2025).
- Completed Data Structures and Algorithms Certification, Smart Interviews.
- Certified in Tableau, Internshala, demonstrating proficiency in data visualisation and business intelligence.
- Completed Natural Language Processing (NLP) in Python using spaCy, Udemy.

ACHIEVEMENTS

- Runner-up in the 24-hour National Design-A-Thon by the Department of CSE, VNR VJIET (2024) — Recognized for innovation and design proficiency.
- Finalist in the Octocoder competition hosted by Turing Hut at VNR VJIET — Showcased competitive technical skills.
- Finalist in the Project Contest (Software Domain) at VNR VJIET's National Annual Technical Symposium, Convergence 2K25.
- Finalist in the 24-hour Hackathon, Krithoathon 2.0, at VNR VJIET. ([certificate](#))

EXTRA-CURRICULAR ACTIVITIES

Design Volunteer, National Service Scheme (NSS)

- Led the design of promotional materials—including banners and posters—for NSS initiatives such as the Blood Donation Camp and Student Welfare Camp, significantly enhancing outreach and engagement.
- Coordinated an NSS outreach program at a local school, organizing an educational camp that effectively engaged children and parents on key social issues.

CO-CURRICULAR ACTIVITIES

- Competed in the Snapchat Hackathon, gaining hands-on experience with Lens Studio.
- Participated in the Rimland event at VNR VJIET, focusing on advancements in AI and ML.
- Participated in the Tri-NIT Hackathon organized by ACM NITK Surathkal, CSEA NIT Warangal, and NSPIDE NIT Tiruchirappalli — Contributed to collaborative problem-solving. ([certificate](#))

DECLARATION

I hereby declare that all information provided is accurate to the best of my knowledge and I am responsible for any discrepancies.