CHERUKURI SOWNDARYAVATHI

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Objective

Eager to apply my technical skills and problem-solving abilities in a dynamic environment. Passionate about contributing to innovative projects and collaborating with teams, while continuing to grow professionally and add value to the organization.

Education

B.Tech., Computer Science and Engineering,   2021 – 2025
Vignan's Foundation for Science, Technology and Research
CGPA: 8.04 (as of 4-1 semester)

Intermediate., MPC, Sri Chaitanya junior College   2019 – 2021
Percentage – 95.1%

Secondary School, Narayana e-Techno School   2018 – 2019
CGPA-9.7

Skills

Python	**SQL**	**C and DSA**
Computer Networks and OS	**Java (basics)**	**ML and DL**
HTML, CSS and JavaScript		

Projects

Fraudulent Website Detection Using Autoencoder, and CNN-BiLSTM Models

A hybrid deep learning framework, combining Autoencoder, CNN, and BiLSTM networks, was developed to detect phishing websites with high accuracy, achieving significant improvements over traditional classification methods.

Brain Tumor Detection using InceptionV3 and DNN

Deep learning techniques were used to develop an MRI-based brain tumor classification model, enhancing accuracy and reliability in distinguishing tumor types in brain MRI scans.

Paragraph-Based Answer Generation with BERT

Implemented a BERT-based Natural Language Processing system for accurate, context-aware answers to paragraph-level questions, enhancing contextual comprehension and demonstrating high accuracy in answer prediction and relevance ranking.

Work Experience

Teaching Assistant – Data Structures, Vignan's University (Sept 2024 – Dec 2024): Guided students on core data structures and supported coding assignments.

Teaching Assistant – Front-End Application Development, Vignan's University (Jan 2025 – Apr 2025): Mentored students in web development and conducted code reviews and debugging.

Certificates

Cisco AICTE Virtual Internship — Networking (2024)

NPTEL — IoT | E-Business | Leadership & Effectiveness (Silver Elite, 2023–2024)

Cybersecurity — Aadhaar & Capgemini Technology Services India Ltd

HackerRank — Problem Solving | Python | Object-Oriented Programming (2023)

Cambridge English — Preliminary English Test (Level B1) (2022)

Publications

Presented research paper titled *"Leveraging Machine Learning for Paragraph-Based Answer Generation"* at the ICEM24 Conference (2024); selected for official conference proceedings.

Presented research paper titled *"Fraudulent Website Detection Using Autoencoder, CNN, and CNN-BiLSTM Models"* at the ICAISI Conference (2025); selected for conference publication.

Achievements

B. Tech Scholarship
Received a 50% scholarship for B.Tech studies at Vignan's Foundation for Science, Technology and Research.

Cambridge University Preliminary Entrance Test (PET)
Achieved a B1 level with 142 points in the PET examination.

Yoga Coordinator and Team Lead – Mahotsav 2024
Led the university's yoga team and coordinated event activities during the annual Mahotsav fest.

Organizer – Literature Survey Activities, Vignan Mahotsav 2024
Planned and facilitated academic literature survey sessions, encouraging student research engagement.

Declaration

I hereby declare that the above information is accurate and true to the best of my knowledge.

Ch. Sowndaryavathi.