NAVYA SRI CHILUKOTI

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I am a motivated and skilled individual with a strong foundation in data analysis, technical problem-solving, and project management. Dedicated to exploring diverse fields with a commitment to continuous learning and innovation. I have successfully applied data-driven insights and cutting-edge technologies in academic projects and internships. Eager to contribute to a dynamic organization and deliver impactful, measurable results.

EXPERIENCE

CSRBOX IBM Skillsbuild | Virtual | AI-ML Intern| 10th June 2024 – 6th July 2024

1. Successfully completed the IBM SkillsBuild Artificial Intelligence and Machine Learning internship, demonstrating expertise in AI technologies and practical ML applications, while enhancing problem-solving skills and analytical skills

Full-Stack Developer Intern| Edunet Foundation | (28 February 2024 to 25 April 2024)

1. Developed advanced proficiency in Django for full stack web development, creating a comprehensive news aggregator web application, and gaining significant experience in web scraping, creating APIs, frontend technologies for a seamless UI, and backend development for robust database management and server-side logic.

EDUCATION

Bachelor's Degree | 2021-2025

ST. MARTIN'S ENGINEERING COLLEGE, Secunderabad, Telangana   **CGPA: 8.0**

Intermediate | 2019-2021

NARAYANA IIT ACADEMY, Kukatpally, Telangana   **Percentage:** 93%

Secondary Education

TVR MODEL HIGH SCHOOL, Jeedimetla, Telangana   **CGPA: 10**

KEY COMPETENCIES

Full-Stack Web development, ML, AI, DSA with Java, SQL, SDLC, Agile models

TECHNICAL PROFICIENCIES

1. **Programming Languages& Scripting Languages:** Java,Python,HTML,CSS NodeJS
2. **Tools:** Git,Power-BI
3. **Databases:** MySQL, MongoDB
4. **Operating Systems:** Windows, MacOs
5. **Frameworks:** Django, Pandas, NumPy ,React, Angular
6. **Data Analysis:** Microsoft Excel, Numbers

PROJECTS

Manufacturing Industry 4.0:Classification of Mechanical Faults using Machine Learning Techniques
1. Utilized machine learning algorithms and advanced analytics to classify mechanical faults and predict potential failures, integrating real-time monitoring systems.
2. Improved operational efficiency and equipment reliability by developing accurate fault detection models, reducing downtime and maintenance costs.

AI Fault detection system in Aircrafts and Aerospace Engines
1. Developed a fault detection system for aircraft engines using machine learning, predictive analytics, and real-time sensor data analysis to monitor engine parameters and predict potential failures.
2. Applied neural networks and digital twin technology to create virtual replicas of engines, enabling accurate simulations, performance analysis, and AI-driven automated diagnostics.m, providing real-time fault detection and maintenance recommendations for aerospace engines.

News Aggregator website using Django and WebScraping
1. Gained advanced expertise in Django for full stack development, creating a comprehensive news aggregator application with enhanced functionality through web scraping and API integration.
2. Demonstrated strong project management, problem-solving, and collaboration skills, improving both frontend and backend capabilities while completing the project on time.

ACHIEVEMENTS

1. Technical Lead in college coding club named "Code Hoppers Club".
2. Runners-up in "Metaloop" Hackathon organised by "**Deeploop Technologies**".
3. Participated in "Megathon" organised by **IIIT Hyderabad** and found a solution for "**KonnectNxt**".
4. Hosted several events in college and has expertise in Public Speaking.

CERTIFICATIONS

1. **CS50: Introduction to Computer Science** by HarvardX
2. **CS50: Web Programming with Python and Javascript** by HarvardX
3. Data Science Micro-Internship by **IBM Skillsbuild** CSRBOX
4. Generative Ai Micro-Internship by **IBM Skillsbuild** CSRBOX