

ENDLA VIVEK

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SUMMARY

Detail-oriented and analytical engineering graduate with strong proficiency in Python, data analysis, and investigative thinking. Proven experience in handling large datasets, applying problem-solving techniques, and managing team operations. Demonstrated ability to work independently and communicate clearly across technical and non-technical teams. Eager to contribute to risk mitigation and customer trust-building efforts in a dynamic, high-performance environment.

EDUCATION

National Institute of Technology, Andhra Pradesh

B.Tech – Electrical and Electronics Engineering / 2020 – 2024

Pratibha Junior College, Nalgonda

Intermediate / 2018 – 2020 / Score: 94.6%

Gowtham Model School, Hyderabad

High School / 2017 – 2018 / CGPA: 9.5

TECHNICAL SKILLS

- Programming Languages:** Python, SQL
- Tools & Platforms:** Git, GitHub, Microsoft Excel, Word, PowerPoint
- Communication:** Written and verbal communication, stakeholder coordination

SOFT SKILLS

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| <ul style="list-style-type: none">Strong Analytical ThinkingAttention to DetailIndependent Problem Solving | <ul style="list-style-type: none">Verbal & Written CommunicationTime ManagementTeam Collaboration |
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PROJECTS

Scenario Generation and Reduction Based Uncertainty Mitigation in a Microgrid

IEEE SEFET 2024 Publication

- Researched wind and PV energy datasets using **Monte Carlo simulations**.
- Applied **dimensionality reduction techniques** (K-Means, PCA, DBSCAN, Autoencoders) to enhance data efficiency.
- Analyzed and interpreted high-volume datasets to improve forecasting accuracy—relevant to fraud/risk analysis.

Medical Ventilator Prototype

- Designed a low-cost ventilator using **DC motor control** for airflow regulation.
- Applied problem-solving in critical environments with emphasis on safety, reliability, and real-time response.

LEADERSHIP & EXTRACURRICULARS

- Security Team Head** – Managed a 10-15 member team for campus events, ensuring event safety and hospitality.
- AI & Robotics Club** – Active contributor in discussions and workshops related to machine learning and intelligent systems.

PUBLICATIONS

- "Scenario Generation and Reduction Based Uncertainty Mitigation in a Microgrid" – IEEE SEFET 2024