

# SAMYUKTHA GUNDLURU

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## PROFILE SUMMARY

To pursue my career in an organization with a performance-oriented environment for achievement of personal advancement. Being ambitious and hardworking, I am looking forward to challenging my potential and being worthy of Management trust and confidence.

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## EMPLOYMENT HISTORY

### LLM – Python, Microsoft (Remote) - Intern

Oct 2024 – Nov 2024

Created prompts based on user requirements. Utilized Labeling Tool for model generation and evaluation. Analyze models to select the best fit for user needs. Create Ideal Response to that model and added preference explanation. Provided explanation and conclusions for the model.

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## EDUCATION

B. Tech (EEE), Vaagdevi Institute of Technology and Science, JNTUA – 8.6 /10

Jan 2021 – May 2024

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## SKILLS

Languages: Python Programming, SQL basics

Operating Systems: Linux OS commands

Tools: Working with labeling tool

Hardware Skills: Electrical engineering, Digital Electronics, MATLAB Simulink

Areas of Interests: STLC, IT Technical Support

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## INTERNSHIPS

### Sales force Developer Virtual Internship, Smart Internz

Jun 2021 – Sep 2021

This internship provided practical experience with Sales force, focusing on its core functionalities, process automation, Apex programming, and system integration. Participants learned to navigate Sales force, customize data models, and automate workflows. They also completed super badges in Apex and Process Automation, gaining valuable skills for Sales force development careers.

### Electric Vehicle, SkillDzire

Jan 2024 – May 2024

This EV internship provided hands-on experience in electric vehicle technology, covering vehicle design, battery systems, charging infrastructure, and renewable energy integration. Participants learned about electric propulsion, lithium-ion batteries, charging technologies, and grid integration. A capstone project allowed interns to apply their knowledge in creating sustainable solutions, preparing them for the future of sustainable transportation.

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## PROJECTS

### Healthcare Appointment Booking System

Developed a full-stack web application for booking healthcare appointments using React and Node.js

Integrated third-party APIs for real-time availability and booking of healthcare professionals.

Implemented a secure authentication system using using JWT and managed session data.

Deployed the application on Heroku, ensuring scalability and monitoring performance with New Relic.

### **Random Password Generator**

Developed a Python-based password generator that produces strong, random passwords with customizable length and character composition.

Implemented features to allow users to specify the desired number of digits, letters (uppercase and lowercase), and special characters in the generated password.

Ensured password strength by guaranteeing the inclusion of at least one digit and one special character, regardless of user input.

Designed a user-friendly interface with clear instructions and prompts to guide users through the password generation process.

Thoroughly tested the generator to ensure it produces secure and unique passwords, addressing any identified issues and refining functionality.

### **Modeling and Control Design for Variable Speed and Wind Turbine Energy System**

**Software Used : MATLAB Simulation**

**Jan 2024 – May 2024**

Wind turbine-based energy generators have the potential to generate a high amount of electric power if there is a proper wind velocity and control mechanisms. This can certainly reduce the dependency on solar photovoltaic based energy systems, which needs huge space to install the solar photovoltaic panels. However, the output power of a wind turbine is affected by the uncertain wind velocity. The output mechanical power has to be properly controlled. Hence, the wind energy system efficiency depends on how well this uncertainty is addressed. The major challenge is to design and control the wind turbine systems between the power generator and the load, which counters the damage to the load due to variable voltages produced by the varying wind velocity. This thesis implements all-important PID control design methods by using MATLAB/SIMULINK for wind energy application.

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### **CERTIFICATIONS**

Python Certification form Hacker Rank

SQL certification from Hacker Rank

Sales force Virtual Developer Internship completion certification from Smart Internz

Linux completion Certification from Great Learning