

Routhu Surendra kumar

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EDUCATION

B. Tech - CSE dept., Avanthi Institute of Eng and Tech - **7.75 CGPA** 2020-2024
11-12th, Thandra paparaya junior college - **9.50 CGPA** 2018-2020
10th, Z.P High school - **9.3 CGPA** 2018

SKILLS

Technical Skills	Java, C, HTML, CSS, SQL, Machine Learning and AI Basics, Linux Basics, SQL
Tools	Eclipse, GitHub, AWS, VS code, Google Colab
Coursework	DBMS, Computer Networks, OS, SDLC, OOPS, Python
Manual Testing	Waterfall, Spiral, V - Models
Soft skills	Problem Solving, Quick Learner, Teamwork, Communication and Presentation Skills

INTERNSHIP EXPERIENCE

Salesforce Developer August 2022 - October 2022

- Salesforce Developer at Smart Internz: Completed multiple Salesforce Trailhead modules and earned Super Badges in Apex and Process Automation

AI & ML powered by Google June 2023 - August 2023

- During a 6-week internship, I focused on AI and ML topics for 4 weeks, followed by a 2-week team project on natural disaster analysis. Used RNN, SVM, Decision Trees, and CNN algorithms to develop a machine learning model for analysis.

Associate in Cyber Security December 2023 - April 2024

- As a Certified Associate in Cybersecurity with Fortinet, I completed an internship, gaining hands-on experience in incident response and vulnerability assessments.

PROJECTS

Python-based speech-to-text and text-to-speech conversion Developed a Tkinter application for Python-based speech-to-text and text-to-speech conversion using pyttsx3 and speech recognition. Designed a GUI for efficient text input and voice command processing.

Natural Disaster analysis Developed a machine learning model to predict natural disaster types using Random Forest and scikit-learn. The project included data preprocessing, feature engineering, and model evaluation to improve prediction accuracy.

Personal Portfolio Developed a personal portfolio website using HTML, CSS, and JavaScript, hosted on VS Code, to showcase skills, projects, and experiences professionally.

CERTIFICATIONS

- **Pega Senior System Architect and System Architect, Pega Systems:** Earned Pega Senior System Architect certification, demonstrating advanced proficiency in designing and implementing Pega solutions.
- **Microsoft Azure AI Fundamentals:** Studied services used in Microsoft Azure to create AI solutions.
- Foundation level python full stack Developer with Bit Labs. Basics of python with Infosys Spring Board.
- SQL and Relational Databases, cognitiveclass.ai: Powered by IBM Developer Skills Network.

VOLUNTEER EXPERIENCE

- Served as the head organizer during the PEGA Boot Camp Program, overseeing all aspects of the event.
- Held roles as class representative and school representative during primary and secondary school, demonstrating leadership and organizational skills