

RENUKA PULAVARTHI

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Professional Summary

To build my career with a reputable growth-oriented organization where I can improve showcase my skills which help to meet the organization goals as well as my personal goals.

Education

Bachelor of Technology, Artificial Intelligence and Machine Learning

(2022-2026)

Aditya Engineering College (A), Surampalem, India

8.94 CGPA(5 sems)

Tech Stack

Programming Languages: Python, C, C++, Java

Proficiencies: Problem solving, Data Structures and Algorithms.

Front-End Tools: HTML, CSS, Java Script

Databases: MySQL

Technologies: Amazon web Services, Machine learning(learning)

Projects

House Price Prediction Using Machine Learning

[GitHub](#)

- Engineered a predictive analytics solution using Random Forest Regression to forecast house prices, attaining an impressive 81% accuracy while processing over one million data points for comprehensive analysis.
- Utilized Python, Pandas, NumPy, and Matplotlib for data processing and visualization.
- Analyzed key property features like land area, room count, and facilities to identify price-driving factors.

Interactive Web Page with Text-to-Speech Functionality

[View Demo](#) | [GitHub](#)

- Built a web application that converts user-entered text into spoken audio output.
- Utilized HTML, CSS, and JavaScript to build the interface and implement the text-to-speech conversion functionality.
- Integrated a text-to-speech engine, ensuring **95%+** accuracy in speech synthesis for user-provided text.

Personal Portfolio Website

[View Demo](#) | [GitHub](#)

- Developed a professional portfolio website using HTML, CSS, and JavaScript to showcase profiles, skills, projects, and achievements, attracting 500+ visitors.
- Organized 5+ sections, including **Skills, Projects, Coding Profiles, Certificates, and Contact Details** for better engagement and visibility.
- Implemented responsive design principles to ensure seamless user experience across devices, enhancing accessibility and engagement.

AWS Cloud Infrastructure Implementation

[GitHub](#)

- Designed 1 VPC with 2 public & 1 private subnets and deployed 3 EC2 instances to ensure scalability and efficient workload distribution.
- Configured Elastic Load Balancer (ELB) and Auto Scaling, achieving 99.9% uptime with dynamic resource allocation based on demand.
- Implemented 1 NAT Gateway, 1 Bastion Host, and 1 Private DB Server to enhance security, restrict unauthorized access, and protect internal resources.

Internships

InternVita

- Completed a 2-month InternVita program by CourseVita (June–August 2024) focused on Artificial Intelligence and Data.
- Gained practical experience in AI concepts, data analysis, and related tools, enhancing technical skills.

InnovativeOrigin

- Completed an internship at InnovativeOrigin (July–September 2024), focusing on AWS and cloud computing fundamentals.
- Gained hands-on experience with AWS services, tools, and essential cloud technologies.

Competency

- **Leetcode:** Successfully Solved 450+ problems, Contest Rating **1588*** [profile](#)
- **Codechef:** **2 Star**, Max. Contest Rating **1604*** [profile](#)
- **Geeksforgeeks:** Solved **390+** problems [profile](#)
- **Hackerrank:** Attained **5 star** in python, **4 star** in c, java [profile](#)

Achievements

- Secured **1st place** in a coding competition organized by **Google Developer Group - Aditya University**.
- Received a Silver Badge from NPTEL in the Database Management System (DBMS) course with a score of **75%**.
- Earned the Vasavi Merit Award and Certificate in 2024.
- Received student of the year award from LIC in school standards.

Certifications

- Certified in Database Management Systems, ML and DL *NPTEL*
- IT Specialist in HTML and CSS, Python *Certiport Pearson*
- Certified in Java *Oracle*
- Certified in python, AI for India *Guvi*