Somu Goutham Reddy

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Education

2020 - 2024 Bachelor's Degree at **LNM Institute of Information Technology**
Communication and Computer Engineering (GPA: 6.26)

2019 - 2020 Class 12th at **Sri Chaitanya Junior collage, Vijayawada. BIE,AP** (922/1000)

2018 Class 10th at **KKR Gowtham School, Guntur. BSE AP** (GPA: 10/10)

Skills

- **Languages** C++, Python, JavaScript
- **Technologies** MySQL, aws services : s3, ec2, lambda, React, Node
- **Soft Skills** Problem-Solving, Communication, Adaptability, Teamwork

Projects

- **My portfolio website**

  Key Skills: React.JS, HTML, CSS. **Deployed Project Link:** portfolio Github

  Objective: The objective of this project to develop a portfolio website from scratch using HTML, CSS, React

- **Sudoku solver website**

  Key Skills: React.JS, HTML, CSS. **Deployed Project Link:** sudoku Github

  Objective: The objective of this project to develop a website that solve sudoku puzzle while solving it gives the real time animation effects of backtracking, solving made from scratch using HTML, CSS, React

- **Movie Search webapp**

  Key Skills: MySQL, Express, React.JS, Node.**Deployed project Link:** Project Github

  Objective: The main objective of the project is to develop.deploy a robust web app that utilizes the async nature of Javascript.

  A simple web app developed using react,MySQL stack that used IMBD API to extract data about movies then display the related movies along with their respective links, also MySQL is used to store the search data.

- **Twitter ETL pipeline Key Skills:** python, sql, s3, EC2.

  Objective: The main objective of the project is to develop a robust ETL pipeline to extract twitter data and store it in aws s3 stotrage .

- **Fake Fingerprints Detection System(Contactless)**

  Key Skills: Deep Learning, Computer Vision. **Project Link:** Github

  Objective: Detect attempts to deceive fingerprint recognition systems through the use of fake or synthetic fingerprints.

  Methodology: Analyze unique characteristics of contactless fingerprint images and employ sophisticated algorithms.

  Technology Focus: Specifically designed for identifying presentation attacks involving artificial means, such as printed or molded replicas.

  Benefits: Enhances the security of bio metric authentication systems by ensuring the authenticity of fingerprint samples.

  Accomplishment: Successfully achieved a high **Accuracy rate of 97** in detecting various types of fingerprint-based attacks.

Achievements

- Achieved a global rank of 547 in **TCS Codevita** Season 11, showcasing strong problem-solving skills.

- Rated 1692 on Leetcode with over 600 problems (includes Advanced SQL Queries) solved profile.