CHEKURI SANTHOSH

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EDUCATION

National Institute of Technology Calicut	Kozhikode,Kerala
B.Tech. Electronics and Communication Engineering (CGPA: 8.73)	*Nov 2020 - May 2024*
Sasi New Gen Junior College	Velivennu, Andhra Pradesh
Intermediate, MPC (Percentage: 98.4)	*June 2017 - May 2019*
Sri Chaitanya Techno School	Mandapeta, Andhra Pradesh
10th Standard (CGPA: 9.7)	*June 2016 - May 2017*

COURSEWORK

- Data Structures
- Machine Learning
- Computer Networks
- Algorithm Analysis
- Database Management

EXPERIENCE

IQUED - Full Stack Developer (Internship)   June 2023 - July 2023

* Contributed to the collaborative development of an E-Learning platform at IQUED.
* Created an userfriendly and interactive platform that enhanced the learning experience and delivering impactful results aligned with organisational goals.

PROJECTS

E-Learning Platform | *HTML, CSS, React.js, Node.js, Mongodb, Express, APIs (OAuth), Git, VS Code*   July 2023

* Internship project for the startup Company IQUED
* Designed an E-learning platform for startup company using MVC Architecture and API's.
* Learned how to use Nodejs and MVC Architecture in advanced level and integration of MongoDB database in backend development.

Antenna Design using Machine Learning | *Antennas, Patch Antenna, Python, Machine Learning*   September 2023

* Designed CST patch antenna and implemented an Machine learning model that can predict the physical parameters of the Antenna at a particular Frequency.
* Created our own Dataset and linked it using KNN Machine Learning model and tested it at different frequencies.
* Showcased immense expertise with an accuracy of 90 percent.

Hand Written Digit Recognition | *Python, Machine Learning, TensorFlow, Pygame, Git, VS Code*   January 2023

* Developed a Hand Written digit recognition system to get to recognize the digits written using hand.
* Designed it using Neural Networking Machine Learning model and integrated it with pygame interface to create virtual board for writing digits.

O-Auth | *HTML, CSS, API (Google-OAuth), Node.js, MongoDB*   Aug 2022

* Developed a fully functional login page.
* Used Google OAuth API to make the feature signin as google and used MogoDB database to store the user signin data.

SKILLS

Languages: C++, C, Python, HTML, CSS, Javascript, MySQL
FrameWorks: Node.js, React.js MVC Architecture
Developer Tools: Git, Github, VS Code, Pycharm, Atom, Matlab, Ltspice
Databases: MongoDB, MySQL
Libraries: pandas, keras, NumPy, Matplotlib

EXTRACURRICULARS AND ACHEIVEMENTS

- Organised a Student Guidance club event on Mental Awareness.
- Division 2 in Codechef and solved so many problems on leetcode.
- Solved 400+ problems in leetcode with overall contest rating of 1726.
- Part of the organising team for successfully conducting farewell celebrations at NITC.

CERTIFICATIONS

- Full Stack Web Development (Udemy)
- Data Structures and Algorithms using C++ (Udemy)
- Machine Learning using python (Udemy)

HOBBIES AND INTERESTS

- Coding
- Learning new things
- Listening to music
- Playing Badminton