

Dinakar Cheruku

✉ dinakarcheruku2002@gmail.com ☎ +1 (862)-423-5559 📍 Harrison, NJ -07029

🔄 Dinakar-Cheruku in dinakar-cheruku

PROFILE

As a diligent and versatile entry-level candidate, I am enthusiastic about leveraging my proficiency in SQL, PHP, and Python to contribute to a dynamic team. Eager to kick-start my career in a role that allows me to apply my communication and technical skills and further develop my expertise while actively supporting the goals of an innovative organization.

EDUCATION

M.Sc in Computer Science	09/2023
New Jersey Institute of Technology, GPA:3.2	Newark, USA
B.E in Computer Science and Engineering	2019 - 2023
CMR Institute of Technology, GPA:3.21	Bengaluru, India

SKILLS

Programming (Python, Java, SQL) | **Web Development** (HTML, Javascript, PHP, reactJS, nodeJS, CSS)
Computer Networks (Internet and higher layer protocols, TCP, UDP, IP, BBR, WebSockets, WebServers)
Libraries (Numpy, Matplotlib, Pandas, Sci-kit learn) | **Database Management System Design**

PROJECTS

Novel Intrusion Detection system

An IDS using novel ensemble Machine Learning technique

- I have developed a user-friendly application using Flask that runs ML techniques.
- The ensemble is a combination of the Decision tree, SVM, and Random forest algorithms incorporated using a voting classifier, and underwhelmed inputs are boosted.
- Provided the functionality to compare the results from the ensemble and other algorithms to emphasize achieved accuracy of 99.8%.
- The dataset used is generated by UNSW, Australia using the Perfect Storm tool.

WhatsOnSite

Real-time crypto dashboard

- The Real-Time Crypto Currency Dashboard is a cutting-edge web3 application designed to provide users with up-to-the-second data on various cryptocurrencies from around the world.
- This application leverages React.js for its frontend framework, CoinGecko API to fetch real-time cryptocurrency data, Axios for seamless web message synchronization, and Material-UI for a sleek and user-friendly design.

Question Bank System

An ERP website for university that maintains questions and generates a question paper

- Used MySQL and Maria Database to create and manipulate the questions and their corresponding data in a 3NF database design spanning 48 tables.
- Used PHP and Javascript to implement insertion and querying from the front end of the resulting ERP application.
- Used FPDF module in PHP to generate a pdf of question paper according to inserted course outcomes and Bloom's taxonomy. Latex is used for formulae.

PROFESSIONAL EXPERIENCE

Full Stack Developer Intern

Sain Informatix Pvt. Ltd.

worked on a web3 application using reactJS, Axios, CoinGecko API, and chartJS to implement a crypto dashboard.

09/2022 - 11/2022

Bengaluru, India