

Sreekar SBS

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EDUCATION

- Indian Institute Of Information Technology Pune** 2022 - 2026
B.Tech in Computer Science with Honors in Artificial Intelligence
Pune, India
 - CGPA: 8.47
- Dr.KKr's Gowtham Happy Valley School** 2021-2022
CBSE Class 12 AISSCE
Vijayawada, India
 - Grade: 93%

PROJECTS

- ShopSphere** MongoDB | Express.js | React | Node.js 2025
Developed a full-stack e-commerce web application using the **MERN** stack (MongoDB, Express.js, React.js, Node.js).
Implemented **user authentication** and **cart functionality**, allowing users to securely sign in and manage their shopping experience.
Built an **admin panel** for inventory control and product management, enabling seamless product updates and order tracking.
- Explainable AI-Based DDoS Attack Detection for IoT Networks** Python | Autoencoders | SHAP | IoT 2025
Developed a lightweight, **explainable AI**-based system for detecting **DDoS** attacks in IoT networks, using autoencoders and **SHAP** for anomaly detection and feature influence analysis.
Achieved **0.98–1.0** detection accuracy on the **USB-IDS** dataset for HULK DDoS attacks, outperforming state-of-the-art methods (e.g., Decision Trees: 0.97, Random Forest: 0.98, DNN: 0.67).
Visualized model performance with **box plots** and **confusion matrices**, using SHAP to highlight influential features, reducing false positives and improving trust in predictions.
- Cryptoverse** React | Chart.js | RapidAPI | Axios | Redux Toolkit
Cryptoverse is a cryptocurrency tracking app built with **React** and **Redux Toolkit**, providing real-time market data, price history, and news updates.
Integrated **CoinRanking API** and **Bing News API** via **RapidAPI** to fetch live cryptocurrency data and market trends.
Implemented efficient state management with Redux Toolkit, ensuring seamless data updates and performance. Used **Chart.js** for interactive price trend visualization and Ant Design for a modern, **responsive UI**.

SKILLS

- Programming Languages:** C , C++ , JavaScript , Java , Python , SQL .
- Web Technologies:** React.js , Node.js , Express.js , Tailwind CSS , Redux .
- Database Systems:** MongoDB , MySQL , PostgreSQL .
- Specialized Area:** Full-Stack Development , MERN Stack , Web Development, API Integration .
- Other Tools & Technologies:** AWS , Docker , Linux , Git , GitHub .

CERTIFICATIONS AND ACHIEVEMENTS

- Solved over **350** problems in **DSA** across multiple platforms .
- Achieved a maximum rating of **1678** on **LeetCode**, placing in the top **14%** of users globally.
- Awarded an **Honors** degree in **Artificial Intelligence** for consistent excellence in Academics.
- The Complete Full Stack Web Development Bootcamp** .