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 , DApps , Docker , Linux , Git , GitHub .

CERTIFICATIONS AND ACHIEVEMENTS

◦ Solved over **350** problems in **DSA** across multiple platforms .

◦ Achieved a maximum rating of **1622** on **LeetCode**, placing in the top **20%** of users globally.

◦ Awarded an **Honors** degree in **Artificial Intelligence** for consistent excellence in Academics.

◦ The Complete **Full Stack** Web Development Bootcamp .