Sreekar SBS

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Vijayawada, Andhra Pradesh , India

EDUCATION

- **Indian Institute Of Information Technology Pune** — 2022 - 2026
  B.Tech in CSE 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

- **Soybean Leaf Disease Classification and Species Prediction**   *TensorFlow | Keras | CNN | Transfer Learning* 2025
  - Developed an ensemble deep learning model using **DenseNet121** and **ResNet50** with **transfer learning** to classify soybean leaf diseases.
  - Developed a **Hybrid Model** that classifies diseases as well as predict type of Plant species follows similar Methodology saving **capital costs** and **computing power**.
  - Integrated **GlobalAveragePooling2D, BatchNormalization, Dense**, and **Dropout** layers to enhance model performance and prevent overfitting.
  - Implemented **L2 regularization** and **label smoothing** to improve generalization on a three-class classification task.

- **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*   2025
  - 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++ , Java , Python , JavaScript , SQL , Perl .
- **Web Technologies:** React.js , Node.js , Express.js , Next.js , Tailwind CSS , jQuery , Bootstrap , EJS .
- **Database Systems:** MongoDB , MySQL , PostgreSQL .
- **Specialized Area:** Full-Stack Development , MERN Stack , Web Development, API Integration .
- **Other Tools & Technologies:** Web3 , DApps , Blockchain , Linux , Git , GitHub .

CERTIFICATIONS AND ACHIEVEMENTS

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

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