Cheruvu Shriya

B.Tech – Computer Science and Engineering in Data Science

shriyacheruvu@gmail.com | +91-9014083280 | github.com/shriyacheruvu | linkedin.com/in/shriyacheruvu

ABOUT ME

As a highly motivated college student majoring in **Computer Science and Engineering(Data Science)**, I have a strong passion for **Full-Stack Web Development**. I focus on combining my technical skills in **React, Node.js, Flask, and MongoDB** to build dynamic and user-friendly web applications. Apart from coding, I enjoy playing the **Keyboard** and have trained in **Kuchipudi** for 5 years, which has enhanced my creativity and discipline. Through my coursework, I continue to deepen my knowledge in **programming, algorithms, and data structures** while always seeking opportunities to grow and innovate.

EDUCATION

Bachelor of Technology (B.Tech) in Computer Science and Engineering (Data Science)
BV Raju Institute of Technology, Narsapur
CGPA: 8.3/10 — 2022 – Present

Senior Secondary (Class 12),State Board
FIITJEE Junior College, Hyderabad
Percentage: 93.8% — 2022

Secondary (Class 10), State Board
FIITJEE World School, Hyderabad
GPA: 10/10 — 2020

PROJECTS

- **Career Catalyst** — *Apr. 2025*
  React(TypeScript), Node.js, Flask, MongoDB — GitHub

  – Designed and developed a full-stack web application, *Career Catalyst*, using React (TypeScript), Node.js, and Flask to enhance student career development through AI-driven resume analysis and job matching.
  – Integrated Gemini API, LinkedIn scraping (Selenium), and GitHub API to deliver personalized skill insights and real-time job recommendations.
  – Implemented cloud-based storage (Cloudinary), MongoDB Atlas for scalable data handling, and deployed the platform via Vercel for optimized performance and accessibility.

- **Service Management System** — *Nov. 2024*
  Flask, Python, Jinja2, HTML, Bootstrap — GitHub

  – Developed a responsive web-based service management system using Python, Flask, Jinja2, and Bootstrap, enabling customers to create, update, and close service requests.
  – Implemented role-based access control (RBAC) for Admins, Service Professionals, and Customers, allowing Admins to verify users, approve profiles, and manage services.
  – Utilized SQLAlchemy ORM with SQLite for data storage, integrated dynamic search for service and professional management, and deployed the app with Gunicorn for scalable production performance.

- **Currency Converter** — *Jan. 2024*
  Java, Java Swing — GitHub

  – Developed a Java Swing desktop application enabling real-time currency conversion with support for multiple international currencies.
  – Implemented RESTful API integration utilizing HTTP GET requests and JSON parsing to retrieve up-to-date exchange rates with robust error handling.
  – Designed an intuitive graphical user interface (GUI) featuring user input validation, event-driven programming and seamless exception management for improved usability and precision.

- **Rock Paper Scissor Game** *Dec. 2023*
  HTML, CSS, JavaScript GitHub

  – Developed an interactive Rock Paper Scissors game using HTML5, CSS3, and JavaScript, implementing core game logic, user input handling, and dynamic DOM updates to provide real-time feedback.
  – Designed a responsive and user-friendly interface with custom styling, hover effects, and conditional rendering to enhance user experience (UX) across desktop and mobile browsers.
  – Implemented a score-tracking system and match reset functionality using event-driven programming and state management, simulating a "best-of-three" match structure to encourage replayability.

- **Hangman Game** *Dec. 2022*
  Python GitHub

  – Designed and developed a terminal-based Hangman game in Python, utilizing control flow structures, string manipulation, and user input handling to create an interactive word-guessing experience.
  – Implemented core game mechanics, including a turn-based loop, random word selection using the `random` module, and real-time feedback through character matching and guess tracking.
  – Demonstrated proficiency in Python scripting and algorithmic thinking, showcasing the ability to build a functional console application with a focus on logic, user experience, and clean code structure.

SKILLS

- **Languages**: Python, C, Java
- **Web Technologies**: HTML, CSS, JavaScript, Bootstrap, React, Jinja2
- **Backend & Databases** : Flask, Node.js, Express.js, MongoDB, SQLite, SQLAlchemy
- **Tools & Platforms** : Git, GitHub, VS Code
- **Technical Skills**: Data Structures and Algorithms, Operating Systems, Computer Networks, Database Management Systems, Web Development
- **Core Data Analytics Skills** : Excel, Power BI   ** Elementary proficiency*

CERTIFICATES

- **IIT Madras**, Acquired **Foundational Level in Programming and Data Science** certificate by IITM   *Link*
- **Coursera**, Acquired **SQL for Data Science** certificate by completing course in Coursera   *Link*
- **NPTEL**, Acquired **The Joy Of Computing Using Python** certificate by NPTEL   *Link*
- **NPTEL**, Acquired **Soft Skills** certificate by NPTEL   *Link*
- **NPTEL**, Acquired **Business Ethics** certificate by NPTEL (Top 2%)   *Link*
- **HackerRank**, Acquired **Python(Basic)** certificate on HackerRank   *Link*

ACHIEVEMENTS

- **JEE Mains**, Secured **90.33** percentile among over 1 million candidates who appeared for the test   *2022*
- **Intermediate**, Scored **938** out of 1000 in Intermediate state board examinations   *2022*
- **10th Grade**, Secured **10.0 GPA** in 10th grade state board examinations   *2020*

PERSONAL PROFILE

- **Date of Birth**: 19th October 2004
- **Maririal Status**: Unmarried