

SRINIVAS K S

Bangalore, Karnataka

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Profile

Data Science student passionate about building scalable and innovative solutions. Interested in problem-solving, web development, and AI-driven applications. Eager to learn, adapt, and contribute to impactful projects. Enthusiastic about exploring new technologies and continuously improving skills to solve real-world challenges.

Education

New Horizon College of Engineering, Bangalore

Computer Science Engineering(Data Science)

CGPA-9.21 (till 5th semester)

2022-2026

Karnataka, India

Sri Siddaganga Pre-University College, Davanagere

PCMB-96.5%

2020-2022

Karnataka, India

Rashtrorathana Vidya Kendra (CBSE), Davanagere

Percentage- 87.2%

2013-2020

Karnataka, India

Projects

WeatherApp[website]

- Developed a Django-based weather application, integrating APIs like OpenWeatherMap and Open-Meteo to provide current weather conditions, hourly forecasts, and interactive maps.
- Implemented city search and geolocation features, enhancing user experience by allowing users to search for weather information by city name or current location.
- Deployed the application on Vercel, for easy access and more reachability.

Bug Smith

- Implemented AI-powered bug report generation using GeminiAPI to expand short bug descriptions into detailed, structured reports.
- Developed features for exporting bug reports as PDFs and creating GitHub issues directly from the app.
- Built a simple web interface (Flask, HTML/CSS) for entering bugs, selecting severity/environment, and managing bug reports.

NL2SQL

- Built Natural Language to SQL (NL2SQL) system using Python, machine learning libraries (such as TensorFlow/PyTorch), and NLP frameworks, enabling users to convert plain English questions into SQL queries.
- Integrated the Gemini API to enhance translation accuracy of natural language queries to SQL, improving overall system robustness and user experience.
- Automated and streamlined database interactions for nontechnical users by converting natural language input into executable SQL queries, reducing manual query writing.

STREAMLIT CHATBOT

- Developed a web-based chatbot application utilizing Python and Streamlit, interfacing with the Gemini API for dynamic conversational capabilities.
- Integrated external APIs and designed interactive UI components to facilitate realtime user engagement and data processing.
- Implemented a chat history retention feature, allowing users to view and interact with previous conversations for improved usability.

Skills

- **Programming Languages:** Python, Java, JavaScript, HTML, CSS, React(basics)
- **Frameworks/Libraries:** Django, Flask, NumPy, Pandas, Matplotlib, Seaborn, scikit-learn
- **Databases:** SQLite, MySQL
- **Tools:** Git, GitHub Code

Achievements

- Winner of 'Cicada' a 24-Hour Hackathon organized by Atria Institute of Technology, Bangalore.
- Participated in National Level 24 Hour Hackathon held at PES University, Bangalore, selected among 200+ teams state wide.
- Achieved 1st place in the college-level hackathon (Code Father), New Horizon College of Engineering. – 2024.

Certifications

- [IBM Skills Build Data Science 101](#)
- [Introduction to Cloud Computing](#)