M A Shriram

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PROFILE

Dedicated computer science student with a proven aptitude in programming, problem-solving, and data analysis. Seeking an internship to apply technical expertise in AI, ML, LLMs, and full-stack development toward the advancement of innovative projects.

ACHIEVEMENTS

- SIH 2024 Winner (PS:1647): Led team to victory in Agriculture, Foodtech, and Rural Development, developing an AI/ML model to predict agri-horticultural commodity prices.

EXPERIENCE

- Internship @ Victopia Labs — Onsite - Part Time
  Worked on LipSyncing and VideoGeneration models using Deep Learning and Generative AI — January 2025 1 - Month

EDUCATION

- B.Tech - CSE with a specialization in AI and ML — 2022 – 2026
  - SRM Institute of Science and Technology - Vadapalani, Campus — CGPA: 9.71
- Higher Secondary Education — 2022
  - Chettinad Vidyashram — Percentage: 91%
- Secondary Education — 2020
  - Sir Sivaswami Kalalaya Sr Sec School — Percentage: 89.9%

SKILLS

Technical Skills:

- Programming Languages: Python, JavaScript, Java, Go
- Front-end Frameworks: React.js, Next.js
- Back-end Frameworks: Spring Boot, NestJS
- Databases: MySQL, PostgreSQL
- Visualization Tools: Streamlit, Plotly
- Operating System: Linux
- Computer Science Concepts:
  - Machine Learning
  - Deep Learning, LLMs
  - Web Development
  - Database Management
  - Networking
  - DSA

PROJECTS

- **Single - ReAct LLM** ***Ongoing***
  - A project to explore and demonstrate the full potential of a single React-based agent, showcasing its versatility and capabilities in various use cases.
  - Integrations with various Tools via MCP is also being explored
- **Azure MCP Agent**
  - Contributed to MCP Server by building a Azure MCP integration **01/2025 - 02/2025**
- **Krushi Jyothishi: DL Price Prediction for Horticultural Commodities** ***09/2024 - 12/2024***
  - Solution to SIH 2024 Problem Statement
  - Developed a predictive model using DARTS' N-HiTS for forecasting daily prices of essential commodities like pulses and vegetables (e.g., onion, potato).
  - Designed and implemented an interactive user interface using Streamlit for data visualization and trend analysis.
- **Website Marathon** ***12/2024***
  - Collaborated with a team to create a product website within a 3-hour timeframe for a university competition, resulting in a fully functioning website hosted at EZgo.
- **IPL Analysis** ***08/2024 - 10/2024***
  - Conducted exploratory data analysis on each match, player, and season, extracting key insights into performance and impact.
  - Visualized findings through advanced plotting techniques such as parallel plots and gap minders.
  - Employed machine learning models, including K-Means clustering, to create balanced team selections for upcoming seasons.
- **Udemy Clone** ***02/2024 - 04/2024***
  - A full-stack web application demonstrating capabilities in both front-end and back-end development, utilizing Next.js for the front end and NestJS for the back end.
  - Features sign-in and payment functionalities, and uses modern web technologies like server-side rendering and lazy loading to maximize performance.
- **Weather App** ***10/2023 - 12/2023***
  - Developed a responsive and performant weather application using React, contributed to the React-Play open-source project.
  - Utilized the OpenWeather API to retrieve and present real-time weather data in a user-friendly interface.

Open Source Contributions

- Made the full code base from Smart India Hackathon available open source for community to use and expand upon.
- Contributed a weather app to the React-Play open source library, enhancing it with new features.
- MCP Server Contributor (Model Context Protocol) By Anthropic

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VOLUNTEER EXPERIENCE

Environmentalist Foundation of India (EFI) - Volunteer **06/2024 – 07/2024**
Chennai, India

- Participated in environmental conservation activities, including cleaning beaches and lakes and increasing public awareness about pollution.
- Developed a no-code application to track cleaning activities, streamline volunteer coordination, and manage volunteer attendance.