

Sreevarsan M

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Career Objective

An aspiring B.Tech professional with a strong foundation in software development and web technologies. Passionate about creating innovative solutions and transforming ideas into impactful applications. With a keen interest in leveraging technology for business growth and real-world impact.

Education

SRM Institute of Science and Technology, Bachelor of Technology (Computer Science with specialization in Artificial Intelligence and Machine Learning) Sep 2022 – May 2026

- GPA: 8.67/10

Technical Skills

- **Programming Languages:** Java, C, Python.
- **Development Frameworks:** HTML, CSS, JavaScript, React.js, Next.js.
- **Databases:** SQL, MySQL.
- **Tools / Platforms:** Git, GitHub, Figma.

Projects

CashFlow – Personal Finance Tracker Web App (React, Next.js, Firebase)

Built a personal finance tracker web app to manage transactions and analyze spending. Developed a responsive interface using React and Next.js, integrated Firebase Authentication and Firestore for secure login and real-time data management, and maintained a modular project structure. Implemented real-time transaction tracking and category-based spending insights to help users manage their finances efficiently. Ensured scalability and maintainability by following best practices in software development.

GitHub: Finance Tracker

Deepfake Detection using Deep Learning (ResNext & LSTM) (Django, PyTorch, LSTM, ResNext)

Developed a deepfake detection system utilizing ResNext CNN and LSTM for video-based deepfake identification. The system features a Dockerized Django web app for seamless deployment, a web interface for video uploads and real-time deepfake predictions, and comprehensive documentation covering model training and implementation. Enhanced the model's robustness by fine-tuning hyperparameters and training on diverse datasets, achieving improved accuracy and detection capabilities.

GitHub: Deepfake Detection

Image Generator using Stable Diffusion (PyTorch, Hugging Face API, Tkinter)

Created an AI-powered image generation tool leveraging Stable Diffusion to produce images from text prompts. Integrated PyTorch, diffusers, and matplotlib for image processing, designed a user-friendly interface using Tkinter and customtkinter for input handling, and utilized the Hugging Face API for seamless image generation. Optimized model inference time and improved image generation quality by experimenting with various diffusion model configurations.

GitHub: Image Generator

Achievements / Leadership

- Contributed to the development and design of the official website for the technical event- TechSpectrum24,
- Technical Head in various clubs of college, organizing more than 10 events in the span of 2 years.