

# Saiaashish Manivannan

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## SUMMARY

Second-year Computer Science student exploring full-stack development and DevOps. Currently learning and building with the MERN stack, with hands-on experience through personal projects. Comfortable with core programming concepts like Data Structures, OOP, and basic OS principles. Motivated by real-world problem solving and continuously improving through project-based learning.

## EDUCATION

**R.M.K. College of Engineering and Technology**

*Bachelor of Engineering - Computer Science*

**Puduvoyal, India**

*2024 – present*

**Velammal Bodhi Campus**

*12th; 85%*

**Ponneri, India**

*2023 – 2024*

**Velammal Vidhyalaya**

*10th; 81%*

**Ponneri, India**

*2021 – 2022*

## TECHNICAL SKILLS

**Programming Languages:** C, C++, Java, Python, JavaScript

**Web Development:** HTML, CSS, React.js (*Learning*)

**Database & Cloud:** Firebase, MySQL (*Learning*), MongoDB (*Learning*), Node.js (*Learning*)

**Tools and Platforms:** Git & GitHub, Netlify, VS Code, Linux

**Deployment & DevOps:** Docker (*Learning*), Vercel (*Learning*), AWS (*Learning*)

## PROJECTS

**Task Management App** [Link](#)

*Tech Stack: React, TypeScript, Vite, Tailwind CSS*

- Developed a collaborative project management tool with real-time task updates.
- Built using React and TypeScript for scalable and type-safe development.
- Used Vite for fast development and Tailwind CSS for responsive UI.
- Currently in progress with planned integration of authentication and notifications.

**Weather Dashboard** [Link](#)

*Tech Stack: HTML, CSS, JavaScript, Axios, OpenWeather API*

- Built an interactive weather app with 5-day forecast using OpenWeather API.
- Implemented dynamic charts and icons for weather data visualization.
- Used Axios for API integration and JavaScript for DOM manipulation.
- Responsive layout styled using CSS for seamless cross-device compatibility.

**Product Review Sentiment Analyzer** [Link](#)

*Tech Stack: Python, Streamlit, Scikit-learn, TF-IDF, Pandas*

- Developed a machine learning model to classify sentiment in product reviews.
- Used NLP techniques like TF-IDF and logistic regression with scikit-learn.
- Built an interactive UI using Streamlit for real-time predictions.
- Processed and visualized data using Pandas and Streamlit widgets.

## ACHIEVEMENTS

- Participated in Meta CTF – a recognized cybersecurity competition, solving real-world security challenges.
- Built and deployed 3+ web applications with integrating APIs, authentication, and real-time features.
- Created a machine learning-based sentiment analyzer using NLP techniques and deployed with Streamlit.
- Consistently maintained GitHub project repositories with live demos and well-documented codebases.

## CERTIFICATIONS

- Infosys Springboard – Certified in core software engineering fundamentals.