

# Subash Praveen M

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## PROFILE

B.Tech Computer Science student with a strong interest in software development, web technologies, and UI/UX design. Passionate about building clean, user-focused digital experiences and continuously growing through hands-on projects.

## PROJECTS

### AI-Powered Agricultural Surveillance Drone | Python, TensorFlow, OpenCV, CNN, Computer Vision

Built an AI agricultural drone using CNN image processing, thermal camera, and GPS to monitor crops, detect plant diseases, and assist in precision pesticide applications.

### ALGO-VISUALIZER | Next.js, TypeScript, Shadcn UI, Vercel

<https://subs-algo-visualizer.vercel.app/>

Developed a sorting algorithm visualizer with smooth animations, adjustable speed, swap/comparison counters, and custom input support. This project deepened my understanding of TypeScript, Next.js, and deployment with Vercel.

### Diagonalisation Of Matrix | HTML, CSS, JavaScript

<https://1ofx9.github.io/Diagonalisation-of-matrix/>

Created an interactive tool to diagonalize 2x2 and 3x3 matrices using eigenvalues and eigenvectors, with real-time results powered by Math.js. This project strengthened my skills in JavaScript, matrix algebra, and DOM manipulation.

### CAR.IO | HTML, CSS

<https://1ofx9.github.io/car.io/>

Built a car rental website for *Frontend Fusion Fest 2024*, showcasing clean UI design and form handling. Deployed using GitHub Pages, the project focused on practicing frontend fundamentals with HTML and CSS.

### MC-MODS-LIST | Markdown

<https://github.com/1ofx9/mc-mods-list/>

A curated list of mods and resource packs for enhancing performance, visuals, and gameplay quality in Minecraft.

## SKILLS

LANGUAGES & FRAMEWORKS Python, Java, SQL, HTML, CSS, JavaScript.

TOOLS & PLATFORMS Git, GitHub, Linux, Figma, Vercel, Arduino, Adobe Tools.

LANGUAGES English, Tamil(native).

## EDUCATION

B. Tech in Computer Science and Engineering Sep 2023 - 2027

MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY, PONDICHERRY, INDIA. (pre-final year)

- CGPA: 7.96 (up to pre-final year)

Higher Secondary Mar - 2023

SHRI HINDOCHA CHARITABLE TRUST HR. SEC. SCHOOL, ARIYUR, PONDICHERRY, INDIA.

- Grade 12: 511/600 (85.17 %)

## CERTIFICATIONS

Cloud Foundations - AWS Academy

Python 3.4.3 Training - STP @ IIT Bombay

JavaScript Training - STP @ IIT Bombay