

Pavan H S

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[Portfolio](#) | [Github](#) | [linkedin](#)

PROFILE

Creative software developer with hands-on experience in web development, AI/ML, and building practical, scalable solutions. Known for visual thinking, intuitive problem-solving, and applying logic to design user-focused features.

SKILLS

Programming languages : Python, Java, C/C++, JavaScript, TypeScript, SQL

Web/Backend : React, Node.js, Express, HTML/CSS, Firebase, MongoDB, PostgreSQL

Tools and Devops : Git, Docker, Jenkins, Netlify, Vercel, Maven, Gradle

Cloud & ML : Cloud Architecture, OpenCV, Computer Vision, Deep Learning, GenAI

Others : Agile, Kanban, Scrum, CI/CD, SSDLC, Ethical Hacking

TECHNICAL EXPERIENCE

Vreendaar IT Solutions Intern

Dec 2023 - Mar 2024

- Developed a full-stack dropshipping platform with storefront creation, product listings, and user account management.
 - Built with React, Node.js, Express, and MongoDB, implementing secure authentication and scalable RESTful APIs.
 - Focused on responsive design, backend architecture, and end-to-end development of core e-commerce features.
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PROJECTS

Dropshipping Bidding Platform

- Developed a role-based e-commerce site for dropshippers and customers with bulk bidding functionality.
- Integrated PostgreSQL for account management and MongoDB to log user details like email, name, and login time.
- Built with React, TypeScript, Node.js, and Express, supporting real-time product listings and secure logins.

AI-Powered Virtual Mouse

- Developed a virtual mouse using OpenCV and MediaPipe, enabling pointer control through facial movements and hand gestures.
 - Implemented blink-based click detection (double blink for left-click, triple for right-click) and gesture-based scrolling.
 - Integrated speech-to-text functionality for hands-free input.
 - Currently integrating a voice-activated chatbot to perform system-level commands.
 - Designed for real-time performance with low-latency input handling, enabling seamless interaction without physical devices.
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EDUCATION

Acharya Institute of Technology, Bengaluru, India (2022-26)

Bachelor of Engineering in Computer Science

BGS PU College, Chikkamagaluru, India (2020-22) (92.35%)

Major Certifications

TCS iON Career Edge Certification

Agile Project Management from hp Certification

Cloud computing certification by NPTEL

Dsa Certification

Accenture Nordics Software Engineering Simulation on Forage

June 2025