

PRODHOSH V.S

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in [LinkedIn](#) [GitHub](#) [Portfolio](#)

EDUCATION

Vellore Institute of Technology, Chennai Expected June 2029
Bachelor of Technology in Computer Science and Engineering

Indian Institute of Technology, Madras Expected May 2029
Bachelor of Science in Data Science and its Applications

TECHNICAL SKILLS

Languages: Python, C, C++, JavaScript
Web Development: React, Next.js, HTML, CSS
Frameworks & Libraries: NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn, Qiskit
Databases: MySQL, PostgreSQL, Supabase
DevOps & Automation: Docker, n8n
Cloud & Deployment: Vercel, Netlify, Render, Railway
Tools: Git, GitHub

EXPERIENCE

Website Manager Dec 2025 - Present
Nallamala House, IIT Madras [🔗](#) [📄](#)

- Built and maintain official website serving as central hub for 4500+ house members featuring council pages, community showcases, blogs, events, and updates with responsive dark-themed UI
- Developed using Next.js, TypeScript, and Tailwind CSS with upcoming features including resource management, GPA utilities, and student queries section

Product Developer Jan 2026 - Present
BS Prep – Community platform for IIT Madras BS Data Science students [🔗](#) [📄](#)

- Developed a centralized learning platform for IIT Madras BS Data Science students enabling course access, enrollment tracking, and live class participation through a unified dashboard
- Designed and implemented authentication, payment workflows, and analytics features to streamline student onboarding and platform usage
- Built using Next.js, TypeScript, Supabase, and Tailwind CSS with a scalable dashboard architecture

PROJECTS

FlashFetch — RAG Document Intelligence Platform [🔗](#) [📄](#)

- Built a Retrieval-Augmented Generation (RAG) system enabling natural language question answering over uploaded documents (PDF, TXT, Markdown)
- Implemented semantic retrieval pipeline using **FAISS** and **sentence-transformers** with grounded answers, source citations, and confidence scoring
- Developed full-stack platform using **Next.js**, **FastAPI**, and **Supabase** supporting multilingual queries, voice input, shareable chat sessions, and Chrome extension integration

FlickMood — AI Movie Recommendation Platform [🔗](#) [📄](#)

- Built an AI-powered movie recommendation platform generating film suggestions based on user mood and genre preferences
- Integrated **TMDB API** and **Gemini API** to dynamically filter and rank recommendations
- Designed responsive UI with real-time recommendation updates and personalized search experience

Quantum Key Distribution (BB84) Simulator [🔗](#) [📄](#)

- Developed an interactive simulator demonstrating the **BB84 quantum key distribution protocol**
- Implemented quantum circuit simulations using **Qiskit** and **Python**
- Designed visualizations illustrating photon polarization, key generation, and eavesdropping detection

LEADERSHIP & ACTIVITIES

AI & ML Evaluation Lead

Jan 2026

V-Vortex Hackathon, VIT Chennai

- Led AI/ML evaluation for a university-level hackathon organized by SCOPE involving 300+ participants
- Designed judging criteria, evaluated project submissions, and contributed to final shortlisting of winning teams

Council Member — WebOps, Coding & Cybersecurity

Dec 2025 - Feb 2026

CodeCrafters, IIT Madras BS

- Built and maintained the official Codecrafters Coding Society website for IIT Madras BS students
- Led frontend architecture, interactive UI/UX design, and coordinated deployments and feature updates

Web Development Member

Mar 2026 - Present

AWS Cloud Club, VIT Chennai

- Contributing to development of the official hackathon website for **CloudFlush**, improving accessibility and event engagement

Technical Team Member

Sept 2025 - Present

Mathematics Club, VIT Chennai

- Built and maintained club website and technical infrastructure supporting online resources for 1000+ students

AI/ML Member

Oct 2025 - Present

Microsoft Innovations Club, VIT Chennai

- Contributing to AI/ML initiatives and technical workshops exploring machine learning applications

Technical Member

Mar 2026 - Present

ACM VIT Chapter

- Participating in technical initiatives, coding events, and collaborative development activities within the chapter

Internshala Student Partner

Nov 2025 - Jan 2026

Internshala

- Promoted internship opportunities and training programs through campus outreach reaching 500+ students

HONORS & AWARDS

3rd Prize — GadgetXpo, Paradox '26

Jan 2026

Indian Institute of Technology Madras

- Awarded for the project **BB84 Quantum Key Distribution Simulation** at a national-level innovation showcase