

Abhinav Ganeshan Kalpathy

+91-9567683259 abhinavganeshank@gmail.com abhinavganeshan Abh1noob

EDUCATION

Vellore Institute of Technology - 8.45
B. Tech in Computer Science and Engineering

Vellore, Tamil Nadu, India
2022 - Current

TECHNICAL SKILLS

Programming Languages: C, C++, Python, Java, JavaScript, TypeScript, Go

Frameworks and Tools: Next.js, Express.js, GoFiber, Zustand, TanStack, Docker, Postman, Burp Suite, NMAP, Metasploit

Databases and Cloud Services: MongoDB, MySQL, PostgreSQL, Amazon Web Services (AWS)

WORK EXPERIENCE

Adobe - Cybersecurity Intern

May 2025 – Present

- Developing malware detection systems powered by large language models (LLMs) to identify and flag vulnerable websites, enhancing web security.

Warbler.Pro - SDE Intern

May 2024 - Apr 2025

- Led the development of [Warbler.Pro](#), a full-stack web platform for AI-driven social media content generation. Built an intuitive interface and engineered the overall infrastructure using Next.js and AWS (DynamoDB, S3, Amplify, EC2).

Peritys - SDE Intern

Jun 2024 - Mar 2025

- Developed new Project Management Portal and Landing Page for [Tribal Welfare](#) Department, Government of Tamil Nadu, incorporating i18next for multilingual support in Tamil and English.
- Built an admin dashboard for [HaaNaa](#), a betting platform, enabling administrators to efficiently create and manage events, oversee operations, and access analytics.

Stride.ai - SDE Intern

Jun 2024 - Jul 2024

- Developed user-friendly interfaces for NLP solutions, optimizing the overall user experience.
- Standardized frontend projects by creating a reusable template with consistent state management, error handling, and login/signup functionality, reducing development time and ensuring maintainable code structure.

PROJECTS

trader.pro - Next.js, FastAPI, Go, MongoDB, PostgreSQL, AWS

Apr 2025

- Designed and engineered [trader.pro](#), a full-stack paper trading platform enabling users to simulate and test trading strategies on historical data using a real-time engine with time-travel support. Integrated ICICI Breeze APIs for market data, implemented Firebase Authentication for secure user management, and built scalable Go/FastAPI microservices deployed via AWS. [GitHub](#).

Papers by CodeChef-VIT - Next.js, MongoDB, Cloudinary

Jun 2024 – Present

- Led and actively contributed to the development of [papers.codechefvit.com](#), a platform providing VIT students access to previous year question papers. Built an admin dashboard for managing uploads, integrated Google Analytics for behavior tracking, and helped the platform scale to nearly 20k active users during exam seasons. [GitHub](#).

ACHIEVEMENTS/RESPONSIBILITIES

- Yantra'24 Central Hack Winner:** Made a seller app (PWA) integrating ONDC using Typescript with AI-based Cataloging. Won best project in Track Good Wealth and Economic Growth. [Link](#)
- AWS Certified Solutions Architect - Associate:** Earned certification validating expertise in designing scalable, secure, and cost-optimized cloud solutions. [Link](#)
- Projects Head, CodeChef-VIT:** Planned and organized projects to timely completion while mentoring members and ensuring high code quality through PR reviews.