

KARTHIKEYAN K U

Computer Science & Engineering Student | Front-End Web Development | Java & Python

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PROFESSIONAL SUMMARY

Computer Science and Engineering student with hands-on experience building and debugging responsive, production websites. Currently interning as a Web Development Intern at ATC Travelzone, working on customer-facing pages, admin tooling, Supabase data handling, and Cloudflare deployments. Proficient in Java, Python, JavaScript, and SQL, with a practical, build-first approach to learning UI/UX and full-stack fundamentals.

TECHNICAL SKILLS

- Programming Languages: Java, Python, JavaScript, SQL
- Front-End: HTML5, CSS3, React, Responsive Web Design, DOM Manipulation, localStorage
- Databases & Cloud: Supabase, MySQL, SQLite, IndexedDB, Cloudflare Workers, Cloudflare D1
- Tools & Platforms: Git, GitHub, VS Code, Node.js, Vite, Wrangler, Figma
- Core Knowledge: Object-Oriented Programming, DBMS, Data Structures, Debugging, Problem Solving, UI/UX Design

INTERNSHIP EXPERIENCE

Web Development Intern — ATC Travelzone, Chennai

Jun 2026 – Present

HTML, CSS, JavaScript, React, Supabase, GitHub, Cloudflare

- Built and debugged responsive pages for travel packages, destinations, activities, offers, reviews, and booking flows.
- Improved admin panel features including image and video uploads, live previews, status changes, category routing, and search.
- Integrated front-end features with Supabase database and storage; resolved UI and data issues and deployed updates through GitHub and Cloudflare.

SELECTED PROJECTS

Waste Collection Worker Attendance & Route Register — Smart India Hackathon 2026

2026

HTML, CSS, JavaScript, Cloudflare Workers, D1, IndexedDB, Service Worker

- Built a dashboard with attendance records, route tracking, complaint management, and detailed record views for a waste collection workflow.
- Added offline support and migrated the application backend to Cloudflare Workers and D1, including Wrangler configuration and database migrations.

Mass Blood Bank Website — Personal Project

2026

HTML, CSS, JavaScript, localStorage

- Built a responsive, multi-page website with hospital search and filtering, form validation, dropdown interactions, and persistent browser data.

College Bus Tracking Interface — Personal Project

2026

HTML, CSS, JavaScript, React

- Developed a responsive interface displaying bus routes, live status, estimated arrival times, and map-oriented details.

Personal Portfolio Website — Personal Project

2026

HTML, CSS, JavaScript, Cloudflare Pages

- Designed and deployed a portfolio site featuring project, skills, certification, and achievement sections with direct GitHub and LinkedIn links.

CERTIFICATIONS

Anthropic Developer Certifications

AI Fluency, Claude API, Claude Code 101, Amazon Bedrock, Google Vertex AI, Agent Skills, MCP Fundamentals, Subagents

Web Development Certifications

Scaler Topics – JavaScript Fundamentals; freeCodeCamp – Responsive Web Design (V8)

Java Certifications

Infosys – Fundamentals of Java; Scaler Topics – Java Fundamentals

Python Certification

Infosys – Python Fundamentals

Object-Oriented Programming Certification

NPTEL – Fundamentals of OOP, Silver and Elite (78%)

UI/UX & Cloud Certifications

Microsoft – Azure Storage Security Applied Skills; Accenture – Digital Skills: User Experience

Additional Certifications

LPB02 – Automation with Arduino; B10X – AI Tools and Workshop

EDUCATION

B.E. Computer Science and Engineering — Prince Dr. K. Vasudevan College of Engineering	2025 – 2029
• Currently pursuing — 2nd Year (2026) CGPA: 8.21	
Class XII — Dr. Gurusamy Mudaliar T.T.V. Higher Secondary School	2024 – 2025
• 84% Third Rank in Class XII	
Class X — Dr. Gurusamy Mudaliar T.T.V. Higher Secondary School	2022 – 2023
• 80%	

ACHIEVEMENTS

- Smart India Hackathon — Top 50 at college level
- Subject Topper in Mathematics, Physics, Chemistry, and Tamil

LANGUAGES

Tamil Native	English Professional Working Proficiency	Hindi Conversational
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OTHER PROJECTS

- Web Development: Project Showcase (WIE), Task Management App, Stopwatch, Chill & Out Online Food Ordering, MK Institute of Technology Website, and JavaScript/CSS/HTML practice projects.
- Java (OOP & Console): Employee Role Display, Vehicle Evaluation, Student-Teacher Management, Doctor-Patient Management, Library Management, Bank Account Management, Inventory Management, Payroll Management, and more.
- Java Swing: Bank Management, Food Delivery (Strategy Pattern), Vehicle Rental (Factory Pattern), Timed Quiz Application.
- Python: Student Record Management (CSV), Notes Saver, Library Management, ATM System, MCQ Quiz Application, and more.

Full repository list: github.com/Karthikeyan-k-u