

# Vetriselvan Karunanithi

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Undergraduate Software Engineer skilled in building scalable web applications and solving algorithmic challenges using Python and Java. Experienced in full-stack development, system optimization, and AI integration. Passionate about designing efficient, customer-focused solutions.

## STRENGTHS & EXPERTISE

Artificial Intelligence	Technical Writing	Team Collaboration
Web & App Development	Database Management	Cross-functional Coordination
UI/UX Design	Project Planning	Software Tools & Frameworks

## TECHNICAL SKILLS

**Languages:** Python, Java, JavaScript  
**Frameworks:** Flask, React, Node.js, Express.js  
**Databases:** MySQL, MongoDB  
**Tools:** Git, Postman, VS Code

## INTERNSHIP EXPERIENCE

**Mobile App Engineering Intern (Flutter)**, Excelerate — Remote Oct 2025 – Nov 2025

- Worked on developing an e-learning mobile application using Flutter.
- Created UI screens and implemented basic navigation between app pages.
- Learned how to build Android and iOS apps using a single Flutter codebase. Used GitHub for version control.
- Selected as a Star Performer and received a \$1,000 scholarship linked with Saint Louis University.

**Java Developer Intern**, Vault of Codes — Remote Oct 2025 – Nov 2025

- Developed Java-based modules for backend automation and logic implementation.
- Learned fundamentals of object-oriented programming and data handling using Java.
- Completed assigned coding tasks and debugging challenges under supervision.

**Software Engineer Intern**, GB Tech Corp – Chennai, Tamil Nadu, IN May 2025 – Jun 2025

- Developed and tested full-stack features using Python within a software engineering team.
- Wrote maintainable, efficient code and contributed to debugging and peer code reviews.
- Participated in an agile workflow to deliver project milestones on schedule, following structured development processes.

**Content Creator Intern**, Quantelleon – Chennai, Tamil Nadu, IN Sep 2024 – Jan 2025

- Created technical documentation and tutorials on software tools, frameworks, and programming concepts.
- Worked with developers and product teams to produce accurate and clear technical materials.
- Researched new technologies and updated content to improve developer learning and support.

## EDUCATION

**Sathyabama Institute Of Science And Technology** Aug 2023 – Mar 2026

Bachelor of Science in Computer Science (AI Specialization)

- **CGPA:** 8.45 (till 4th semester)
- **Coursework:** Artificial Intelligence, Computer Architecture, Data Structures & Algorithms, Database Management Systems, Web Development

## Government Higher Secondary School, Velachery

Jun 2019 – May 2023

Higher Secondary Education (HSC)

- **Stream:** Biology and Mathematics
- **Percentage:** 70%

## PROJECTS

**DocQuix – Smart Document Toolkit – Demo** [🔗](#) | [GitHub](#) [🔗](#) Jan 2025

**Tech Stack:** Python (Flask), HTML, CSS, JavaScript

Built a Flask-based web app for QR code generation and image-to-PDF conversion using JSON data handling and Jinja templates.

**VeggiesNow – 10-Minute Grocery Platform – Demo** [🔗](#) | [GitHub](#) [🔗](#) Aug 2025

**Tech Stack:** Python (Flask), HTML, CSS, JavaScript

Developed a grocery delivery web app with admin and user panels, cart, checkout, and authentication features.

**To-Do List — Plan Smart. Do Better. – Demo** [🔗](#) | [GitHub](#) [🔗](#) Oct 2025

**Tech Stack:** Java, HTML, CSS, JavaScript

Built a responsive to-do list app with task creation, deletion, and completion tracking during the Vault of Codes internship.

**Smart AI Calculator — Calculate. Learn. Understand. – Demo** [🔗](#) | [GitHub](#) [🔗](#) Nov 2025

**Tech Stack:** Python (Flask), HTML, CSS, JavaScript, Google Gemini

Developed a calculator web app with real-time calculations and step-by-step explanations using the Gemini API.

**Grocofy — Online Grocery Ordering Platform –** [GitHub](#) [🔗](#) | [Presentation](#) [🔗](#) 2025

**Tech Stack:** React.js, Node.js, Express.js, MongoDB

Built a full-stack grocery ordering app with authentication, cart, checkout, and payment integration.

**OptiWork — Workforce Task Assignment System –** [GitHub](#) [🔗](#) | [Presentation](#) [🔗](#) 2025

**Tech Stack:** React.js, Python (Flask/FastAPI), Scikit-learn, MySQL / MongoDB

Developed a task assignment system using employee data and a Random Forest model to support workload-based task allocation.

## CERTIFICATIONS

- Software Engineering Intern [🔗](#) — HackerRank, Issued Oct 2025
- Reactjs [🔗](#) — HackerRank, Issued Oct 2025
- Frontend Developer(React) [🔗](#) — HackerRank, Issued Mar 2025
- Mastering JavaScript Fundamentals [🔗](#) — Geekster, Issued Aug 2024

## ACHIEVEMENTS

- Intern Excellence Award – GB Tech Corp (Jun 2025)
- Star Performer Award – Excelerate (Nov 2025) – Awarded \$1,000 scholarship

## TECHNICAL EVENTS

**Prompt-a-thon (VIT Chennai) –** [GitHub](#) [🔗](#) | [Presentation](#) [🔗](#) Oct 2025  
Developed Finora, a finance tracking web app, during a 24-hour hackathon.

**Dev Arena (Easwari Engineering College) –** [GitHub](#) [🔗](#) Oct 2025  
Worked on OptiWork, an AI-based workforce management platform, during a national hackathon.

**Tutedude Web Development Hackathon – Certificate** [🔗](#) Jul 2025  
Built Street-Mart, a web platform connecting farmers and street food vendors.