

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

PROFESSIONAL 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	

Higher Secondary Education (HSC)

- **Stream:** Biology and Mathematics

- **Percentage:** 70%

TECHNICAL IMPLEMENTATIONS

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 [🔗](#)

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 [🔗](#)

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.