

# Keerthi Vasan P

## Software Engineer

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### EXECUTIVE SUMMARY

**Computer Science Engineer** with a focus on **Cybersecurity, Data Structures & Algorithms, and Web Development**. Developed AI-powered chatbots, workflow automation systems, and responsive web applications, emphasizing scalable and practical solutions. Experienced in applying technical skills through academic projects and hackathons, delivering functional software under real-world constraints. Continuously exploring emerging technologies to broaden expertise and create impactful applications.

### EDUCATION

<b>Cambridge Institute of Technology</b> <i>Bachelor of Engineering in Computer Science (IoT &amp; Cybersecurity incl. Blockchain)</i> – Grade: CGPA <b>8.52</b> – Relevant Coursework: Data Structures and Algorithms (C, Java), Object-Oriented Programming (Java), Database Management Systems, Web Technologies (HTML, CSS, JavaScript), Computer Networks	Bangalore, India August 2023 – Present
<b>Kendriya Vidyalaya</b> <i>12th Grade (PCMC) – 75%</i>	Bangalore, India March 2011 – April 2023

### PROJECTS

<b>AI-Powered Telegram Chatbot</b>   <i>n8n, Google Gemini LLM, API Integration</i> – Designed and implemented an intelligent Telegram chatbot using <b>n8n workflow automation</b> , enabling real-time handling of user queries. – Integrated <b>Google Gemini LLM</b> for natural language responses and connected <b>OpenWeather API</b> for live weather updates. – Automated farmer-focused queries covering crop diseases, market prices, and government subsidies, improving information accessibility by <b>60%</b> . – Implemented logging, error handling, and fallback mechanisms, ensuring <b>99% uptime</b> for real-time queries.	June 2025
<b>Personal Portfolio Website</b>   <i>HTML, CSS, JavaScript, Flask, Vercel</i> – Developed and deployed a responsive portfolio website with a custom domain on <b>Vercel</b> , showcasing projects and skills effectively. – Ensured cross-device compatibility, providing seamless user experience on mobile, tablet, and desktop devices.	March 2025

### TECHNICAL SKILLS

**Languages:** Java, Python, C, JavaScript, HTML5/CSS3, PHP  
**Frameworks:** Flask, React.js, REST API  
**Databases:** MySQL  
**Specializations:** IoT, Cybersecurity, Blockchain Technology, Workflow Automation (n8n)  
**Developer Tools:** Git/GitHub, Docker, AWS (familiar), VS Code, Vercel, Postman  
**Core Competencies:** Data Structures & Algorithms, OOPS, DBMS, Debugging, Team Collaboration

### ACHIEVEMENTS

**Academic Excellence:** Maintained a CGPA above **8.5** in undergraduate studies at Cambridge Institute of Technology.  
**Programming Proficiency:** Solved **50+ algorithmic and data structure problems** on LeetCode and GeeksforGeeks, enhancing problem-solving skills.  
**Web Development:** Built and deployed **3 production-ready web applications** with optimized performance and responsive design.  
**Open Source Contributions:** Contributed to multiple projects in web development, automation, and IoT on GitHub, collaborating with global developers.