

# KEVIN T

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Computer Science undergraduate specializing in Data Science with strong academic performance (CGPA 8.98) and hands on experience in building, deploying, and operating production grade web and AI systems. Actively involved in leadership roles and technical initiatives, with strong interest in real world system development.

## EXPERIENCE

### **MEMBER OF IQAC STUDENT CHAPTER January 2026 - Present**

*Internal Quality Assurance Cell (IQAC) - VIT Chennai.*

- I. Recognized and selected by the department head after my tenure as Program Representative to represent the university in institutional level of quality assurance and enhancement initiatives.
- II. Contributing to quality improvement strategies for academic and administrative processes across the university.
- III. Managing and representing Quality Week events and implementation of quality driven activities for the academic year of 2026.

### **GENERAL SECRETARY September 2025 - Present**

*Artificial Intelligence Club - VIT Chennai.*

- I. Leading the strategic planning and execution of AI-focused events, workshops, and technical sessions across the campus.
- II. Coordinating between core team leaders, faculty advisors, and external speakers to ensure smooth operations.
- III. Managing club communications, ensuring structured documentation, and decision-making processes.
- IV. Driving student engagement and promoting AI awareness across campus through initiatives and collaborations.

### **PROGRAM REPRESENTATIVE July 2024 - Present**

*VIT Chennai (BSc in CS with Data Science Program).*

- I. Representing peers and acting as a liaison between students and faculty.
- II. Facilitated effective communication and managed academic concerns.

### **OPERATIONS & MANAGEMENT TEAM MEMBER January 2025 – September 2025**

*Artificial Intelligence Club - VIT Chennai.*

- I. Collaborating with colleagues to plan and organize events and workshops related to AI.
- II. Contributing to the operational management and outreach of club activities, fostering AI awareness and engagement among students on our campus.
- III. Student coordinator for a successful AI-based Marketing workshop.

## **NATIONAL LEVEL HACKATHON – DATASET’24 BY NOKIA & PRODAPT**

*VIT Chennai (ECDS Dataset’24 - 24 hours), December 2024.*

- I. Developed automated solutions for telecom network outage analysis.
- II. Leveraged AI tools to improve efficiency and reliability.
- III. Team named ‘Mystique’ secured 12<sup>th</sup> place out of 100+ teams in the National level hackathon.

## **EDUCATION**

### **July 2024 – Present**

Bachelor of Science (BSc) in Computer Science with Data Science.

*Vellore Institute of Technology (VIT University), Chennai.*

CGPA: 8.98 (3.59/4 CGPA)

### **March 2020**

HSC (12): 81%

*Sri Ramana Vidyalaya Montessori Matriculation Higher Secondary School, Rajapalayam.*

### **March 2018**

SSLC (10): 92.4%

*Sri Ramana Vidyalaya Montessori Matriculation Higher Secondary School, Rajapalayam.*

## **TECHNICAL SKILLS**

**Programming Languages:** Python (Advanced), C, C++, Java, JavaScript (ES6)

**Web Development:** Node.js, Express.js, REST APIs, HTML 5, CSS3(Responsive & Mobile First)

**AI/LLM:** LLM API (Groq Llama 3.3, GPT, Claude), Prompt Engineering, JSON Structuring

**Database Mgmt:** MongoDB Atlas, MySQL.

**Cloud/DevOps:** Vercel, Render, GitHub Actions (CI/CD), UptimeRobot, Node-cron.

**Tools & Technologies:** Git, VS Code, Jupyter Notebook, Postman (API Testing)

**Other:** MS Office Suite, Technical Documentation (IEEE-Style), Data Analysis.

## **CERTIFICATIONS**

1. **Google: AI Essentials – Coursera**  
*By Google.*
2. **Machine Learning – Coursera**  
*By University of London.*
3. **DevOps and Software Engineering Professional - Coursera**  
*By IBM - Currently Pursuing.*
4. **Microsoft 365 Essentials: Word, Excel, PowerPoint & Outlook – Udemy**  
*By David Millard – Netresult Training.*
5. **Python Mega Course – Udemy**  
*By Ardit Sulce – PythonHow.*

## PROJECTS

### Seaside Beacon: AI Powered Sunrise Visibility Prediction Platform (January 2026 – Feb 2026)

Live: <https://seaside-beacon.vercel.app> | GitHub: <https://github.com/kevint1814/Seaside-Beacon>

- I. Built a production grade full stack platform predicting sunrise visibility for 4 Chennai beaches using 47+ atmospheric parameters with a 0 to 100 confidence score and verdict classification.
- II. Integrated Groq AI (Llama 3.3 70B) to generate contextual photography insights (DSLR + mobile settings + composition tips) with <1s AI response time using structured JSON parsing.
- III. Designed a stateless REST API (Node.js + Express) handling 100+ daily requests with <500ms average response time.
- IV. Implemented automated daily email notifications at 4 AM IST using node-cron + SendGrid HTTP API, including GDPR-compliant one click unsubscribe.
- V. Achieved 95+ Lighthouse score and <1s load time via a mobile-first vanilla JS UI; deployed with CI/CD using GitHub Actions + Vercel (frontend) + Render (backend).
- VI. Engineered reliability on free tier infrastructure with UptimeRobot (5-min health checks) to prevent cold starts and maintain 99.9% monitored uptime at 0 INR/month operational cost.
- VII. Solved key engineering constraints: Render SMTP blocking (migrated Nodemailer → SendGrid HTTP), cloud-server time zone corruption (manual IST offset), and forecast-time selection bugs.
- VIII. Authored an IEEE-style 2-column technical paper documenting system architecture, algorithms, reliability strategy, and evaluation.

### Network Outage Analysis and Automation Tool (December - 2024)

Live: <https://mystique-log-analysis.streamlit.app> | GitHub: <https://github.com/kevint1814/Mystique-Log-Dashboard>

- I. Designed and implemented a prototype for analyzing telecom logs and identifying root causes of outages using LLM integrations.
- II. Designed flowcharts and documented processes for clarity.
- III. The LLM-based automation implementation resulted in 40% time reduction in manual diagnostics.
- IV. Secured 12<sup>th</sup> place out of 100+ teams in National level hackathon.

## INTERESTS

- I. Exploring practical AI applications beyond theory.
- II. Public speaking and knowledge sharing through presentations and seminars.
- III. Optimizing workflow by leveraging AI tools for better productivity.
- IV. To ensure my presence is valuable and contributes to my team's outcome and collaborative success.