



KALKI ESHWAR D

B.Tech, Computer Science and Engineering, Vellore Institute of Technology

I'm passionate about software development and the thoughtful integration of artificial intelligence to build digital experiences that truly matter. I enjoy contemplating life's mysteries and exploring how technology can be a powerful tool for solving complex problems.

CONTACT

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in Kalki Eshwar D

PROFESSIONAL CERTIFICATIONS

- Exercising Leadership: Foundational Principles - **Harvard University (HarvardX)** - January 2024
- Machine Learning - **DeepLearning.ai & Stanford University** - December 2022
- GenAI using IBM WatsonX - **IBM Technologies** - June 2025
- GenAI for Executives & Business Leaders: An Introduction - **IBM Technologies** - May 2024
- Prompt Engineering - **Vanderbilt University** - June 2023
- Cybersecurity Roles, Processes and Operating Systems Security - **IBM Technologies** - July 2023

SKILLS PROFICIENCY

Programming Languages

JavaScript	●●●●●
TypeScript	●●●●●
Python	●●●●●
Java	●●●●●
C/C++	●●●●●
Dart	●●●●●
SQL	●●●●●

Libraries and Frameworks

LangChain	●●●●●
Flutter	●●●●●
Sklearn	●●●●●
TensorFlow	●●●●●
React	●●●●●
Ruby on Rails	●●●●●

Tools and Platforms

GenAI	●●●●●
AWS	●●●●●
Docker	●●●●●
Linux	●●●●●
GitHub	●●●●●

WORK HISTORY (INTERNSHIPS)

May 2025 - July 2025

Foradian Technologies

Full Stack Mobile App Developer

Developed a full-stack mobile application using React Native and Ruby on Rails to create internal tools for the company. Focused on enhancing user experience and integrating backend services.

Company Link: <https://www.foradian.com/>

June 2024 - July 2024

Mon Clarity Solutions Pvt Ltd

Flutter Developer

Developed a front-end finance application using Flutter framework, integrated APIs to connect various services, and performed comprehensive debugging and testing to ensure quality assurance.

Company Link: <https://finmitr.in/>

October 2023 - December 2023

Valsco Technology Pvt Ltd

Security Compliance Intern

Drafted internal and external facing security policies and protocols to ensure confidentiality, integrity and availability of information and information systems of the company.

Company Link: <https://www.valscotech.com/>

PROJECTS UNDERTAKEN

Database Agent

Python, Gen AI, LLMs, LangChain

July 2025 - Current

Developing an advanced conversational agent using LangChain and LLMs to interact with diverse data repositories (e.g., SQL, CSVs). The agent interprets complex natural language queries to perform multi-source data retrieval, conduct analyses, and generate visualizations, bridging the gap between user intent and data execution.

Code Generation Approach for Question Answering over Tabular Data

Python, Gen AI, LLMs

July 2024 - March 2025

Developed a code generation pipeline that translates natural language questions into executable Python (pandas) code for data retrieval from a single table. This project utilizes LLMs to empower non-technical users to query tabular data directly, eliminating the need to write SQL.

Loan Default Prediction Model

Python, Sklearn

August 2023

Engineered a predictive model using Python and Scikit-learn to identify potential loan defaults for a Coursera competition. Achieved a top 12% ranking (88th percentile) through rigorous feature engineering and model tuning.

My Portfolio Website

React.js, Next.js, Tailwind CSS

January 2025 - Current

Designed and launched a fully responsive personal portfolio website using Next.js and Tailwind CSS. The site showcases my projects and skills through a modern, clean UI optimized for a seamless user experience across all devices.

RESEARCH PUBLICATIONS

- AlphaPro at SemEval-2025 Task 8: A Code Generation Approach for Question-Answering over Tabular Data
2025 Association for Computational Linguistics (ACL)
<https://aclanthology.org/2025.semeval-1.307/>
- Occlusion-Resilient Face Detection for Real-World Robustness Using Efficient Machine Learning Techniques
2025 International Journal of Interactive Multimedia and Artificial Intelligence (IJIMAI)

EDUCATIONAL QUALIFICATIONS

September 2022 - July 2026	Vellore Institute of Technology
B.Tech, Computer Science and Engineering	
Vellore, India	
CGPA: 8.65	
June 2021 - March 2022	Sri Chaitanya Techno School
Grade XII, CBSE	
Bengaluru, India	
Percentage: 87.4	
June 2019 - March 2020	Deva Matha Central School
Grade X, CBSE	
Bengaluru, India	
Percentage: 89.2	

ACHIEVEMENTS, AWARDS AND RECOGNITIONS

- Member Secretary, Student Council, VIT (2024-25)
- Karnataka U-1700 State Amateur Chess Champion
- Karate Ni Dan (2nd Black Belt)
- 21st International Rank in Silverzone Aptitude Olympiad (iRAO)
- Winner of VIT Premiere League Chess Championship for three consecutive years
- 2nd runner up in South Zonal Inter University Chess Tournament representing VIT
- School Head Boy, DMCS

SKILLS PROFICIENCY

Languages
English
Hindi
Tamil
Kannada

COMPETENCIES

Leadership
Project Management
Team Management
Learning Agility