

# KISHORE S

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## Education

### Vellore Institute of Technology, Chennai

Btech in Computer Science and Engineering

CGPA : 8.84

Sep. 2022 – June 2026

### SBOA School and Junior College, Chennai

Higher Secondary Education (Class 12)

Percentage: 91.2%

May 2022

### SBOA School and Junior College, chennai

Secondary Education (Class 10)

Percentage: 93%

May 2020

## Experience

### CareMe Health PVT., LTD.

May 2025 – July 2025

Chennai, TamilNadu

Front End Developer and Data Engineer Intern for Togthr.health [Certificate](#)

- Worked on front-end development of Togthr.health, an Electronic Health Records(EHR), Customer Relationship Management(CRM) and Telehealth platform used by 1,000+ users—built responsive, accessible UI with React.js, Next.js, and Tailwind CSS; created modular components and dynamic forms using React Hook Form and Zod, cutting redundant code by 35% and form creation time by 50%. **Website:** togthr.health

### Optus Innovations; onebase.ai

May 2024 – July 2024

Chennai, TamilNadu

Java and Springboot Developer Intern [Certificate](#)

- Developed an online invoice generator using Spring Boot and Apache PDFBox, reducing invoice processing time by 40% across 100+ monthly transactions—enabled real-time editing, PDF preview, and dynamic branding for 10+ business use cases; built a responsive, UI boosting retention by 60%, with smart validation, and customizable invoice logic. **Project:** GitHub [Live Site](#)

### VIT Chennai

June 2024 – July 2024

Chennai, TamilNadu

Research Internship [Certificate](#)

- Proposed WC-SPRM, a lightweight real-time paraphrasing model achieving 93% training and 88% contextual accuracy in Paraphrases—trained custom Skip-gram and FFNN models with MSE Loss, reducing model size by 70%; generated 500+ synonym clouds via Datamuse API and cosine similarity; outperformed traditional Embedding based models like word2vec, glove and fasttext in speed and memory efficiency by over 40%. **Project:** GitHub

## Technical Skills

**Languages:** Python, Java, C, C++, HTML/CSS, JavaScript, SQL(MySQL, Oracle, PostgreSQL).

**Developer Tools:** VS Code, Postman, Google Cloud Platform, IntelliJ IDEA, Microsoft Office (Word, PPT, Excel), Tableau.

**Technologies/Frameworks:** Node.js, React.js, Next.js, TensorFlow, Spring Boot, Apache PDFBox, Microcontroller Programming, AWS, AI/ML with Python, Python Fast API.

**Software Engineering Concepts:** Design Patterns, Agile Methodologies, Code Reviews, DSA, DBMS, Operating Systems, Networking.

**Troubleshooting:** Debugging, SDLC Understanding

**Automation:** Build Deployment (Java, Python), Voice Chatbots (pyttsx3, pyaudio, speechrecognition, torch) **Design:** Canva based page design skills.

## Certifications

- Foundation Level in Data Science Dec 2024 [Certificate](#)
- SQL for Data Science Sep 2024 [Certificate](#)
- Web Developer Boot Camp (ongoing) Sep 2023

- C Training, IIT Bombay, Apr 2023 [Certificate](#)
- Cpp Training, IIT Bombay, Apr 2023 [Certificate](#)
- Python 3.4.3, IIT Bombay, Training Apr 2023 [Certificate](#)

## Projects

### Educurate: Personalised Learning Assistant | Python FastAPI, PostgreSQL, LLMs ([GitHub](#))

October 2025

- Built an agentic AI-based learning assistant that creates personalized topic roadmaps, curates learning content, and evaluates understanding using an LLM-driven Roadmap generator, question generator and Knowledge Graph-based Auto Evaluation System (AES) for adaptive feedback.
- Achieved 98.3% roadmap accuracy and 95.7% evaluation alignment with expert assessments through a scalable FastAPI backend integrated with PostgreSQL, and Neo4j to foster next gen personalized Teaching and knowledge testing to students.

### Smart Vehicle Body Type Classification | ESP32-CAM, Arduino, Deep Learning ([GitHub](#))

March 2025

- Developed CarVizion, a real-time smart parking assistant and autonomous navigation aid that classifies car body types (sedans, SUVs, hatchbacks, vans) with 91% accuracy and 0.927 ROC-AUC, using a fine-tuned MobileNetV2 (10.86MB) model on the Stanford car dataset.
- Achieved sub-2s inference time by integrating ESP32-CAM, Arduino Uno, IR sensors, and servo motors for real-time image-based classification and automated gate control—successfully deployed in smart campus and urban parking environments.

### QCNN for Parkinson's Disease Detection | Qiskit, Python ([GitHub](#))

Nov 2024

- Built a hybrid deep learning model with a quantum layer for Parkinson's disease detection from MRI scans, achieving 97.16% validation accuracy using a classical-quantum CNN architecture.
- Developed a complete end-to-end pipeline with data preprocessing, feature selection, model persistence, and a Python interface for real-time diagnostic predictions from user-input medical data.

## Extracurricular Activities

- Top 20 Finalist (16th Place) – GEN AI Hackathon by CLSS Labs, OMR
- Participated in Hack the Horizon, a web design Hackathon conducted by the AI club of VIT Chennai. [View Certificate](#)
- 3rd Place – DEFY25 Web3 Hackathon, DAO Community, VIT Chennai [View Certificate](#)
- Joined the Android workshop conducted by ACM student chapter and worked on building android apps [View Certificate](#)
- Praveen Uttarardh (Top Level Certification), Dakshin Bharat Hindi Prachar Sabha [View Certificate](#)