Kishore S

Chennai, TamilNadu, India
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Education

Vellore Institute of Technology, Chennai **CGPA : 8.86**
Btech in Computer Science and Engineering, Register Number : 22BCE1089 *Sep. 2022 – June 2026*
SBOA School and Junior College, Chennai **Percentage: 91.2%**
Higher Secondary Education (Class 12) *May 2022*
SBOA School and Junior College, chennai **Percentage: 93%**
Secondary Education (Class 10) *May 2020*

Experience

CareMe Health PVT., LTD. **May 2025 – July 2025**
Front End Developer and Data Engineer Intern for Togthr.health ***Certificate*** *Chennai, TamilNadu*

- 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 and form creation time. **Website:** togthr.health

Optus Innovations; onebase.ai **May 2024 – July 2024**
Java and Springboot Developer Intern ***Certificate*** *Chennai, TamilNadu*

- 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**
Research Internship ***Certificate*** *Chennai, TamilNadu*

- 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, HTML/CSS, JavaScript, SQL(MySQL, Oracle, PostgreSQL).
Developer Tools: VS Code, IntelliJ IDEA.
Libraries/Frameworks: React.js, Next.js, TensorFlow, Java Spring Boot, Python Fast API, Apachee PDFBox, Microcontroller Programming, AI/ML with Python.
Software Engineering Concepts: Design Patterns, Agile Methodologies, Code Reviews, DSA, DBMS, Operating Systems, Networking.
Troubleshooting: Debugging, SDLC Understanding
Automation: Voice Chatbots (pyttsx3, pyaudio, speechrecognition, torch) **Design:** Designing Wireframes.

Certifications

- Foundation Level in Data Science Dec 2024 **Certificate**
- SQL for Data Science Sep 2024 **Certificate**
- C Training, IIT Bombay, Apr 2023 **Certificate**
- Cpp Training, IIT Bombay, Apr 2023 **Certificate**
- Python 3.4.3, IIT Bombay, Training Apr 2023

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 konwledge 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**