

KEERTHANA C

Bachelor of Engineering
Information Science and Engineering
Sai Vidya Institute of Technology

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.E., ISE	Sai Vidya Institute of Technology, Rajanukunte	[8.86]	[2026]
Senior Secondary	Nagarjuna PU College, Yelahanka[State]	[78]	[2022]
Secondary	New Baldwin International Residential School[ICSE]	[89.5]	[2020]

PROJECTS

- **Early Detection of Diabetic Retinopathy: ML model to detect and classify retinopathy stages** 2024
Tools: Python, TensorFlow, Keras, OpenCV
 - Designed a CNN model to classify retinal images based on disease severity
 - Integrated image preprocessing techniques for enhanced feature extraction.
 - Evaluated model using accuracy and AUC metrics, achieving 82% accuracy
 - Applied data augmentation and class balancing to improve model generalization
- **E-Commerce Website with Interactive Chatbot: A user-friendly platform** 2025
Tools: HTML, CSS, JavaScript, React, Dialogflow
 - Developed a front-end e-commerce site supporting product browsing, cart, and order management
 - Integrated Dialogflow-based chatbot for real-time customer assistance and query handling
 - Ensured responsive design and seamless user experience across devices.
- **Artificial Intelligence-Powered Secret Phrase Emergency Alert System [Working]**
Tools: Python, Twilio, Google-Text-To-Speech, Google Maps API, Tinker, Flask
 - Developed a desktop application with a modern GUI for audio monitoring, emergency alerts, and location tracking.
 - Integrated Twilio for sending SMS and making voice calls during emergencies.
 - Implemented a Flask backend for admin management, audio evidence logging, and secure data handling.
 - Used SQLite for storing audio logs, admin credentials, and pending admin registrations with hashed passwords.
 - Enabled precise location tracking using the browser's Geolocation API and Google Maps integration.
 - Ensured secure communication with encrypted data transmission and role-based access control

SKILLS

- **Programming Languages:** Proficient in Java and Python; Familiar with JavaScript and C
- **Technologies:** HTML, CSS, JavaScript, Git, Basic SQL
- **Tools:** VS Code, Jupyter Notebook, Microsoft Office Suite (Word, Excel, PowerPoint), Power BI, Tableau, Basic knowledge of vi editor
- **Soft Skills:** Logical Reasoning, Problem Solving, Communication, Teamwork, Adaptability

LANGUAGES KNOWN

- **Proficient/Fluent:** English, Kannada, Hindi
- **Basic:** Telugu

CERTIFICATIONS

[VTU MINOR]

- [Python for Data Science](#)
- [Programming, Data Structures and Algorithms in Python.](#)

[INFOSYS SPRINGBOARD]

- Data Structures and Algorithms in Java
- Complete OS Fundamentals Training
- Java Concepts

ACHIEVEMENTS

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|---|------------------------|
| • Participated in State Level Hackathon | <i>18th July, 2024</i> |
| • 4 th Rank Holder in 2 nd Year of Engineering | <i>Jan 2024</i> |
| • Volunteer Women Empowerment Trust – Rural Education, Digital Awareness etc. | <i>Jan 2023-2025</i> |