# K SAI KIRAN NAIK

"Code to innovate, learn to inspire, build to empower."

+91-8309514358 | [Gmail](Gmail) | [Portfolio](Portfolio) | [LinkedIn](LinkedIn) | [GitHub](GitHub) | [Leetcode](Leetcode) | [HackerRank](HackerRank)

## EDUCATION

| | |
|---|---|
| **Institute of Aeronautical Engineering, Hyderabad, India** | Expected graduation: *May 2026* |
| B.Tech in Information Technology(IT) | CGPA: 8.96/10.0 |
| **Kendriya Vidyalaya AFS Begumpet, Hyderabad** | *June 2021* |
| Intermediate - CBSE | Percentage: 91% |
| **Kendriya Vidyalaya AFS Begumpet, Hyderabad** | *March 2019* |
| 10th - CBSE | Percentage: 84% |

## TECHNICAL SKILLS

**Programming Languages**: Java | Python | C | SQL | JavaScript
**Web Tools:** HTML | CSS | Bootstrap | Git | GitHub | React
**Relevant Coursework:** Data Structures and Algorithms | Computer Networks | Operating System | Database Management System | Object Oriented Programming Language
**Interests:** Web Development | Machine Learning | Deep Learning
**Soft Skills:** Problem Solving | Self-learning | Presentation | Adaptability

## EXPERIENCE

**Summer Research Intern** [Certificate](Certificate)                                                          *May 2024 – June 2024*

- Developed and fine-tuned neural network architectures, integrating CNN and RNN models with advanced attention mechanisms to improve predictive accuracy.
- Designed and optimized data processing pipelines, managing large image datasets for streamlined model training and evaluation.

## LEADERSHIP

**Google Developer Groups IARE**

*Programming Co-lead*                                                                                        *Sep 2024 – Sep 2025*

- Organize and lead workshops, hackathons, and coding sessions while mentoring participants and providing technical guidance.
- Collaborate with the community to develop content and ensure the successful execution of events, fostering technical growth on campus.

## PROJECTS

**Automated Image Captioning** (CNN | RNN | Bahdanau Attention | Flickr8k) [Link](Link)                 *May 2024*
Developed an image captioning model that generates descriptive captions for images using the Flickr8k dataset. This project enhanced automated image understanding, with potential applications in accessibility tools, content-based image retrieval, and social media platforms.

**Weather Forecast App** (HTML | CSS | JavaScript | React | OpenWeatherMap API) [Link](Link)          *September 2024*
Built an interactive weather forecasting app that retrieves real-time weather data based on user input. This project provides accurate, up-to-date weather reports for various locations, improving user experience in weather-based applications.

**GenZ-TalkAI** (Python | Streamlit | Gemini API) [Link](Link)                                            *Nov 2024*
Developed a Streamlit-based application replicating GPT functionality, enabling natural language interactions and generating human-like responses. This project demonstrates the integration of advanced NLP models for seamless conversational experiences.

## CERTIFICATIONS [Link](Link)

**HackerRank:** Problem Solving | Java | Python | SQL | JavaScript | React
**FreeCodeCamp:** Web Development
**Infosys Springboard:** HTML | CSS | JavaScript
**The National Small Industries Corporation (NSIC):** Data Science with Python

## AWARDS & ACHIEVEMENTS

- **Mete Project Expo:** Awarded first prize at the Mete Project Expo hosted at IARE, showcasing innovative project excellence.
- **BTech Merit**: Consistently ranked as the top student in the B.Tech (IT) program.
- **Intermediate Merit:** Ranked among the top 5 students in the 12th board examination.
- **Intern Completion Certificate:** For completion of Project & Publication on Automated Image Captioning.
- **Hackathon Participation:** Participated in a 12-hour hackathon organized by IARE College and the Winter Coding Contest 4.0 hosted by ACM VNRVJIET.