SANKETH SEQUEIRA

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Education

Master of Science	**University of Illinois at Chicago**	*Chicago, USA*	**08/2025 - 05/2027**

- Major in Computer Science.

Bachelor of Engineering	**Global Academy of Technology**	*Bangalore, India*	**12/2021 - 07/2025**

- Major in Information Science and Engineering.
- CGPA – 9.02

Secondary Education	**Jain PU College**	*Bangalore, India*	**06/2019 - 05/2021**

- Grade - Distinction

High School	**Sri Kumaran Public School**	*Bangalore, India*	**06/2013 - 05/2019**

- Academic Marks – 85.67%

Work Experience

Software Engineer, Intern	**KreedaLoka**	*Bangalore, India*	**07/2023 - 12/2023**

- **ChessEra:** Multi-Platform game client and server development.
    - ➢ Designed and developed an arena pairing mode for ChessEra using **Java**, **C#**, and **Unity2D**, implementing **real-time data handling** to improve matchmaking efficiency.
    - ➢ Designed the **game objects**, implemented **real-time leaderboard updates** and developed the **pairing system**.

Projects

- **DataGuard:** Developed a **NER**-Based application for masking personal and medical information, leveraging **data science**, **machine learning**, and **software solutions** to ensure secure handling of sensitive data. **(02/2025)**
- **Hospital Connect**: Built a webapp enabling people to locate nearby hospitals and consult with doctors via integrated maps, chat, and video call features. **(10/2024)**
- **RemiAI:** Created a web application that utilizes symptom information to predict diseases. **(02/2024)**
    - ➢ Achieved an accuracy of 93.4% with the ML model.
- **Panic Shield:** Built a smart watch app named PanicShield to detect and respond to panic attacks using Python (SKLearn, Numpy) and Swift. **(10/2023)**
    - ➢ Achieved an accuracy of 91.1% with the ML model.
- **KCET College - Predictor:** Designed and developed an app for predicting college acceptance based on the KCET (Karnataka Common Entrance Test) exam rank and other factors using Python. **(05/2023)**

Publications

- Sequeira, S., Adiga, T. B., Pattanashetti, N. V., Ramesh, M., Kodipalli, A., Rao, T. (2024) **Enhanced Detection of Thyroid Cancer Recurrence: Evaluating Multiple Classifiers and Interpreting with Explainable AI,** IEEE 4th Mysore Sub Section International Conference, Mysore, India, August 2024. (Presented at the Conference)

- Ramesh, M., Pattanashetti, N. V., Gowda H. B., Sequeira, S., Kodipalli, A., Rao, T. (2024) **Exploring Computational Models and Ensemble Techniques for Precise Heart Attack Prediction: Leveraging Hyperparameter Tuning with LIME & SHAP Interpretation,** IEEE 4th Mysore Sub Section International Conference, Mysore, India, August 2024. (Presented at the Conference)

Awards

- **Bronze Standard**: Achieved the Bronze Standard in **The Duke of Edinburgh's International Award** by engaging in community volunteering, improving physical fitness, acquiring new skills, and completing an adventurous trek. **(02/2019)**
    - ➢ The trek took place at **Ramanagara Hills**, around 50 kilometers from Bangalore.
- **Gold Award**: Won 1st place at a hackathon called **BroCode** conducted by the college for all its students. **(07/2023)**
    - ➢ Consisted of over **20** teams.
- **Gold Award**: Secured 1st place at a **blockchain hackathon** for a Blockchain Inventory Management website. **(03/2023)**
    - ➢ Conducted as a part of a workshop by **NITK, Suratkal** on blockchain technology.

Skills & Interests

- **Programming Languages:** C# | Java | Python | C++ | C | MySQL | HTML | CSS
- **Libraries:** Pandas | Numpy | Matplotlib | Scikit-Learn
- **Developer tools:** Git | GitHub | Unity 2D | Jira | VS Code | Eclipse | Google Colab
- **Core skills & Technologies:** Data Structures | Algorithms
- **Soft skills:** Problem Solving | Teamwork | Critical Thinking | Adaptability | Growth Mindset

Volunteering

Teacher	**Youth For Seva**	*Bangalore, India*	**11/2023 – 01/2024**

- Worked under the "Chote Scientist" program teaching science experiments to students of a government school in my city.