

SANKETH SEQUEIRA

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Education

Master of Science	<u>University of Illinois at Chicago</u>	Chicago, USA	08/2025 - 05/2027
<ul style="list-style-type: none">Major in Computer Science.			
Bachelor of Engineering	<u>Global Academy of Technology</u>	Bangalore, India	12/2021 - 07/2025
<ul style="list-style-type: none">Major in Information Science and Engineering.CGPA – 9.02Academic Marks – 85.67%			

Work Experience

Software Engineer, Intern	<u>KreedaLoka</u>	Bangalore, India	07/2023 - 12/2023
<ul style="list-style-type: none">ChessEra: Multi-Platform game client and server development.<ul style="list-style-type: none">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 **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 accuracy of **93.4%** with the ML model using Python (Scikit-Learn, Numpy).
- Panic Shield:** Built a smart watch app named **[PanicShield](#)** to detect and respond to panic attacks using Python (Scikit-Learn, Numpy) and Swift. **(10/2023)**
 - Achieved 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. (Paper selected and 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. (Paper selected and presented at the Conference)

Awards

- Gold Award:** Won 1st place at a hackathon called **BroCode** conducted by the college for all of its students. **(07/2023)**
 - It 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 (National Institute of Technology Karnataka), Suratkal** on blockchain technology.
- 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.

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	<u>Youth For Seva</u>	Bangalore, India	01/2024 – 03/2024
<ul style="list-style-type: none">Worked under the "Chote Scientist" program teaching science experiments to students at a government school in my city.Taught experiments in physics (sound, light, pressure) and chemistry (acids and bases) to simplify complex concepts.Conducted assessments and graded papers, providing feedback to monitor and improve student understanding.			