

SANKETH SEQUEIRA

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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.
 - Drafted **product specifications document**.
 - Designed the **game objects**, implemented **real-time leaderboard updates** and developed the **pairing system**.
 - Stored, managed and retrieved user information for pairing using **SQL**.

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)

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 – 9.02/10

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 its students. (07/2023)
- **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 | Keras
- **Developer tools:** Git | GitHub | Unity 2D | Jira | VS Code | Eclipse | Google Colab
- **Core skills & Technologies:** Data Structures | Algorithms | RESTful APIs
- **Soft skills:** Problem Solving | Teamwork | Critical Thinking | Adaptability | Growth Mindset

Volunteering

Teacher

Youth For Seva

Bangalore, India

01/2024 – 03/2024

- Worked under the "**Chote Scientist**" program teaching science experiments to students at a government school in my city.
- **Conducted assessments and graded papers**, providing feedback to monitor and improve student understanding.