

SOHAM SAKARIA

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EDUCATION

Master of Applied Computer science, Concordia University, Montreal, Canada (Sep 2023 – Aug 2025)

Cumulative GPA: 3.4/4.30;

Relevant Coursework: Algorithms; Advanced Programming practices; Algorithms; Applied AI; Distributed Systems

Bachelors in Computer science and engineering, SRM University, Chennai, India (Jul 2019 – May 2023)

Cumulative GPA: 9.28/10.0;

Relevant Coursework: Data Structures; Computer networks; Database Systems;

WORK EXPERIENCE

Research Assistant (Mitacs Internship), Carleton university, Ottawa, Canada (Jul 2022 – Sep 2022)

- Conducted research work under Professor David Thue on different definitions of the term “Game mechanics”.
- Made a platform for users to provide their own definition of the term using visual representations such as block diagrams.
- Used the software Unity 3d to make the application which would be tested on the public.

Android App developer, Royal Brisbane hospital, Herston, Australia (Remote) (Jul 2021 – Dec 2021)

- Worked to participate in the development of a mobile app under Dr. Vaishnavi Moorthy to track the non-documented clinical activity of the staff of Royal Brisbane and Women’s Hospital.
- Collaborated with 3 interns to develop an app to manage appointments for different patients with different doctors.
- Made the application using Flutter software.

Flutter App developer, Mentor Match India, Chennai, India (Dec 2020 – Mar 2021)

- Lead a team of 4 interns to develop an application for the company.
- The application focussed on providing seamless education between mentors and mentees during the difficult pandemic times.
- Worked on the front-end of the application and on the integration of Flutter and Firebase.

SKILLS

Applications – Flutter, Blender3d, Unity3d

Programming – Java, Dart, C/C++, HTML5, CSS, Javascript, React, Python

Platforms – [GitHub](#), [LinkedIn](#), [Portfolio](#), [LeetCode](#)

Languages – English, Hindi, Gujarati, French (Basic)

PROJECTS

MedWatch Nov 2020, [Github](#)

This application was made with the pandemic in mind where people were suffering physically and mentally. The users can use the social feature to share their success stories to motivate others. They can also consult medical professionals through chat/video call. This project won **Best Health Hack Synthacks Hackathon (An MLH initiative)** and **Best Mobile App at codestellation hackathon** organised by Brandeis.

SaferX Dec 2020, [Github](#)

This application is made in collaboration. It is an android mobile application based in flutter which will ensure Women Safety and Security in India. The application has a trigger phrase which can be edited by the user to their liking, and along with that, the user can have emergency contacts. When the phrase is uttered, the application directly sends an SOS message to the emergency contacts and the appropriate authorities along with the location of the user. This project attained **First position at Geekathon (Hackathon organized by GeeksForGeeks)**

Scholar Aid Apr 2021, [Github](#)

ScholarAid aims to provide a very different approach to online studying. Students can experience lab classes in augmented reality

for a better online understanding of lab classes. Along with that, it provides an AI paraphrasing system where users can enter a paragraph and the AI will summarize and create a quiz based on the info. This project earned a **Special Award at SRM Hackathon 5.0**

ThinkArt Apr 2021, [Github](#)

ThinkArt is a flutter application based on selling of art/paintings in the digital market. This app utilizes augmented reality (AR) to allow users to visualize art within their personal 3D environment. Additionally, it incorporates artificial intelligence to generate paintings based on user inputs. The integration of blockchain technology introduces TAZ coin, a prototype cryptocurrency for the project, enabling users to purchase artworks. This project gained a **Special Mention at Hacktrix by IEEE**.

EmPay Apr 2022, [Github](#)

This project was made to focus on managing employees in a corporation using an application. Using this app (prototype), users can add/delete employees from the database along with editing their salaries. For the database, MySQL was used with RestAPI. Frontend was developed in flutter.

Rheumatoid Arthritis Predictor using ML and Explainable Jun 2023, [Link](#)

The project focused on using machine learning (ML) and Explainable AI (XAI) to accurately diagnose Rheumatoid Arthritis (RA) at an early stage. The paper was published at the **2023 International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE)**.

Warzone clone Dec 2023, [Github](#)

This project was developed as a course project for Advanced programming practices. It is a Java-based recreation of [Warzone](#), featuring player-assigned armies that can engage in territorial conflicts against opponents. The game includes an integrated AI, allowing solo players to engage in strategic battles against computer-controlled adversaries.

CO-CURRICULAR ACTIVITIES

Technical Associate, SRM Hackerearch, Chennai, India (Nov 2020 – Jun 2022)

- Part of a technical team as an associate under the competitive coding domain
- Brought optimized solutions and unique approaches to real world problem statements.

Associate, NextTech Psau Lab, Chennai, India (Apr 2021 – May 2023)

- Worked as an associate to develop different games and work on 3d models.
- The main purpose of this lab was to make students think creatively to yield better results and also collaborate with fellow peers to improve communication skills.