

Soham Sakaria

514-914-5981 | soham.s2411@gmail.com | linkedin.com/in/SohamSakaria | github.com/Soham2411

Education

Concordia University

Master of Applied Computer Science Co-op

Montreal, Canada

September 2023 – Present

SRM University

Bachelor in Computer science and Engineering

Chennai, India

June 2019 – May 2023

Technical Skills

Languages: Java, Python, C/C++, SQL (MySQL), NoSQL(Firebase), JavaScript, HTML/CSS, C#

Frameworks: ReactJS, .NET, Flutter, JUnit, Bootstrap, Tailwind

Developer Tools: Git, GiLab, Docker, VS Code, Eclipse, IntelliJ, Visual Studio, PyCharm, Unity3d, Unreal engine, Blender3d

Networking: Wireshark, Cisco Packet tracer, TCP/IP, UDP, DHCP

Experience

Research Assistant

Carleton University

July 2022 – September 2022

Ottawa, Canada

- Conducted research focusing on various interpretations of "Game mechanics".
- Designed a platform allowing users to define 'Game mechanics' visually, tested by over 50 participants.
- Used the software **Unity3d** and **C#** to make the application.

Android App developer Intern

Royal Brisbane and Women's hospital

July 2021 – December 2021

Remote, Australia

- Designed an application with 3 other interns to track non-documented clinical activity of hospital's staff leading to a decrease in paper usage.
- Collaborated with three interns to develop the application to manage appointments for various doctors and patients using **Flutter** and **RESTful APIs**.

Flutter App developer Intern

Mentor Match India

December 2020 – March 2021

Chennai, India

- Led a team of four interns in developing a mentor-student educational platform, which improved teaching support during the pandemic.
- Used **Flutter** framework and **NoSQL(Firebase)** for real-time data management.

Projects

ScholarAid | Flutter, Firebase, Unity, EchoAR | [Github](#)

April 2021

- Created a project integrating **Augmented Reality** lab classes and an AI paraphrasing system.
- Used **EchoAR** to render AR models inside the application.
- Integrated AI to provide text summarizing and automated tests.

Rheumatoid Arthritis Predictor | Python, TensorFlow, CNN, scikit-learn | [IEEE Link](#)

June 2023

- Achieved **98% prediction accuracy** for diagnosing Rheumatoid Arthritis using a **Convolutional Neural Network (CNN)**, surpassing existing models' accuracy by over 10%.
- Processed and analyzed 500 images for the dataset, implementing advanced image pre-processing techniques to enhance prediction reliability.

Warzone Clone | Java, Maven, JUnit, Git, IntelliJ | [Github](#)

September 2023

- Collaborated with 5 other students to design a **Java-based** Warzone recreation for Advanced Programming Practices course.
- Features player-assigned armies engaging in territorial conflicts with integrated AI for solo play.
- Enhances strategic depth through challenging battles against computer-controlled adversaries.

Jokes Web Application | C#, Visual Studio, ASP.NET, MySQL, Git | [Github](#)

April 2024

- Engineered an full stack web application using **ASP.NET**, **C#**, and **MySQL** for joke sharing; optimized database queries to handle 10K+ entries.
- Implemented full CRUD functionalities, allowing users to post new jokes, view existing jokes, edit their jokes, and delete them as desired.

Expense Management | ReactJS, Bootstrap, TailWind, Git | [Github](#)

May 2024

- Developed a personal expense management web application using React and Bootstrap Library.
- Implemented features allowing users to categorize expenses and set maximum limits for each category.