SHIVAM PRANAY MAHAJAN

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OBJECTIVE

Seeking an internship or co-op as a Software Developer to engage in solving real-world problems and contribute to the growth of the organization.
Availability: Spring and Summer 2022

EDUCATION

Master of Science in Computer Science *Dec 2022*
Rochester Institute of Technology, Rochester, New York **| GPA: 3.83/4.0**
Coursework: Java, Python, Algorithms, Artificial Intelligence, Intro to Machine Learning, Engineering Cloud Software Systems, Distributed Systems.

Bachelor of Technology (B.Tech) in Computer Engineering *May 2020*
K. J. Somaiya College of Engineering, Mumbai | **GPA: 6.73/10**

TECHNICAL SKILLS

- **Programming Languages:** Java, Python, C
- **Web and Database Technologies:** HTML, CSS, Node.js, React, MySQL, MongoDB
- **Scripting Languages:** JavaScript, PHP
- **Miscellaneous:** Git, AWS, Android

PROJECTS

Final Year Project: Gaming Assistant App for the Physically Disabled *May 2020*
- Utilized Speech-To-Text technology to control other apps, allowing users to play android games.
- Tested on the 'Tap-Tap dash' game and attained a response time of less than 1 second.
- Technologies used: Android and Porcupine framework.

Realtime Chat App *May 2021*
- Developed a Realtime Chat Application using React, Express.js and Socket.io.
- Deployed it on the web using Heroku and Netlify.
- Link: closed-chat-app.netlify.app

My Virtual Assistant *June 2021*
- Developed an intelligent voice assistant using python that runs in the background and performs various tasks.
- Recognizes the face of the individual in real time.
- Used pyttsx3 and speech recognition library of python.

Facial Recognition and Attendance Monitoring *June 2020*
- Performed face recognition in real time on different images with python.
- Tested on facial images dataset with accuracy of over 97%.
- Created a file to add in the name of a new face whenever detected to mark attendance.
- Libraries used are OpenCV and face-recognition.

AI Virtual Mouse *May 2020*
- Created a virtual mouse by detecting and tracking the user's hand.
- Added left and right mouse click using three fingers.
- Libraries used are OpenCV and AutoPy.

Goodbooks *Dec 2018*
- Website that facilitates the purchase and sale of used books.
- Added the post book button and the seller's details on the website for the buyer.
- Integrated the product filter into the website using Ajax with PHP.
- Technologies used: HTML, CSS, PHP, JavaScript, SQL, Ajax.

Participated in KJSCE Codecell Hackathon *Oct 2018*
- Developed an Android app that summarizes the minutes of meetings using Watson API for translating Speech-To-Text.

RESEARCH WORK *Aug 2020*

Published the research paper titled **Phoenix Gaming Assistant App - an Assistant App for the Physically Disabled** in the International Research Journal of Engineering and Technology (Volume 07, Issue 08)
Link: www.irjet.net/archives/V7/i8/IRJET-V7I8590.pdf

EXTRACURRICULAR ACTIVITES

Mathematics competitions *2013*
- Participated in and was a rank holder in Institute for Promotion of Mathematics (IPM) and International Olympiad of Mathematics (IOM) examinations.