Sahil Joshi

Amherst, MA, 01003

www.sahiljoshi.com | sahiljoshi759@gmail.com | github.com/sahiljoshi515 | linkedin.com/in/sahil-joshi-19576118b | (469) 465-3735

Education

University of Massachusetts, Amherst Aug 2019 – May 2023

BACHELOR OF SCIENCE IN COMPUTER SCIENCE & MATHEMATICS

- GPA: 4.0 | College of Information & Computer Science | Chancellor's Scholarship | Dean's List
- Related Coursework: Introduction to Programming using Java, Data Structures and Algorithms, Computer Systems Principles, Introduction to computation, Linear Algebra, Multivariate Calculus, Ordinary Differential Equations, Probability & Statistics, Python Bootcamp (Udemy), IOS App-Development (Udemy), Web-Development (Udemy)

Experience

Frontend Developer at CICS Career Community, UMass June 2020 – Present

PROJECT REACHOUT

- ReachOUT is a web application which will be used by students for scheduling appointments with the CICS advisors.
- Working in a frontend scrum team of 8 members to design the UI with React.js for the web application.
- Building the mobile app in React Native.
- Attending standups twice a week and using GitHub and Trello in an Agile environment.

Undergraduate Course Assistant, UMass Jan 2020 – Present

CS 121, CS 187

- Engage with students and help them understand the course material.
- Debug and grade students' projects as well as provide relevant comments and other feedback to further students' skills and improve future work.

Intern at VASP SOLUTIONS LLP, India May 2019 – July 2019

Software Trainee

- Solved several coding problems to achieve proficiency in Java.
- Learned the basics of Android and IOS App Development. Made user-defined manuals for several applications in Word.
- Learned to coordinate with different people while working on the same project.

Skills

Programming: Swift, Java, Python, C++, HTML, CSS, JavaScript, React.js, Node.js, Shell Script, LaTeX, SQL, Unix, Git, REST API
Development: GitHub, Firebase, Bootstrap, Realm, MongoDB, VS Code, Vim, Eclipse, Arduino, Trello, Heroku, Scrum, Agile
Languages: English, German, Marathi, Hindi

Projects

Woolgatherer Web Service

- I am working as a research assistant for Nader Akoury, to help him modify this web service. We are using Bootstrap, JQuery and Jinja for the frontend and PostgreSQL for the backend.
- Tasks include making the web service mobile responsive and changing the display of data to make it stand for public facing.

To-Do-List Web App (guarded-everglades-48842.herokuapp.com/)

- I used Embedded JavaScript for the frontend and Node.js along with MongoDB for the backend.
- You can create different categories/pages by adding the name of the category you wish to create as the new endpoint.

Simon Game

- Inspired from a game which 8 years old play. It is a memory game in which you need to keep track of the previous pattern and click on the next key which flashes on the screen.
- Used JavaScript and JQuery to achieve the functionality. Play game at sahiljoshi515.github.io/Simon-Game/.

Text-Based Games using Python

- Tic-Tac-Toe
- Black-Jack

Analytics

- Wrote a source code in Python which gathers information of the currently going on COVID-19 crisis based on the country code you enter. It converts the data received from a third-party API into a .csv file which makes it more readable for the user.

Arduino Projects

- **Liquid Temperature Measurement** using DS18B20: I wrote basic C++ scripts to modify the voltage received and converted it to a suitable temperature in degree Celsius. This answered my Science question: Which liquid cools faster?
- **Light Sensing Device** using an LED: The LED goes off when lights are turned ON and it turns on when lights are Turned OFF.

Guess The Flower

- I used the CoreML framework to make this application in XCode. It takes an image of a flower as the input and gives the name as the output based on the InceptionV3 Model. I wrote this program in Swift.