



Suryansh Soni

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PROGRAMMING LANGUAGES

- Python ,Swift , C++ , Java , Javascript, SQL

EDUCATION

Software Engineering

Jan 2017 — May 2021

Auburn University

- GPA Overall 3.24 (current)
- GPA In Major 3.55 (current)

EXPERIENCE

Rheem Manufacturing

Aug 2020 — Dec 2020

Coop Intern (Rheem Technology Operations)

Coop Intern at Rheem, made digital forms using JSP and python , and used to manage mysql database in Rheem technology operations. Worked on many projects during the term. Made forms that helped to automate the business management and workflow at Rheem.

Planight (Tiger Cage Competition)

Sept 2020 — current

App Developer

Hybrid(react native) App developer at Planight team.I was chosen as a developer for tiger cage competition and later team. one of the main developers in the team.

Flashtract

Jan 2020 — May 2020

Frontend/Machine learning developer Intern

Worked on React library to make form for contracting service by putting drag and drop functionality to create the form. Made suggestion field model on spring java backend.

Auburn University

Sept 2018 — May 2020

UTA

Undergraduate teaching assistant for Mathematics courses at college of science and mathematics. Tutored calculus 1, calculus 2, calculus 3, and differential equations.

Auburn University

Sept 2019 — May 2020

UTA

Undergraduate teaching assistant for online Computer science courses at Auburn university. Tutored Java 1 , Java 2 , Data structures and Algorithms and Discrete Mathematics.

PROJECTS

- **Made a Jewelry Inventory System on Django**

Made a Jewelry inventory system using Django as project jewelry store in India.

- **Face Classifier Using SVM and Flask backend**

Made a face gender classifier using Support vector machine and Haar cascade on flask backend.

- **Self Driving Car AI Brain program using Pytorch**

Designed Self Driving Car AI using Pytorch. implemented the Deep Q learning model in the self driving AI.

- **Made predictions on many datasets using Various machine learning Algorithms**

Made predictions on various data sets using various machine learning algorithms. classification models worked on are Linear regression Naive bayes , Kernal SVM, Decision Trees, Random forest and Clustering models like Kmeans. I used Scikit Learn API to Accomplish my task

- **Made convolutional neural net to classify images of dogs and cats**

Made a CNN to classify images of dogs and cat using tensorflow and keras.

- **Samfit (Fitness app)**

Made a minimalistic Fitness App with complete functionality using swift. link to demo of the app. <https://www.youtube.com/watch?v=iaYQba2fej0&feature=share><https://www.youtube.com/watch?v=iaYQba2fej0&feature=share>

- **Made a Youtube Clone**

Made a youtube clone app on swift using youtube API by google

- **Made an Imessenger clone using React**

Made an Imessenger Clone using react and deployed it on firebase.

- **Autocomplete**

Implemented Autocomplete using on Java using Trie data structure

TECHNOLOGIES

Frameworks

- Django,React ,React native,Xcode IOS app developemt

Data Science toolkit

- Pandas, Numpy, Excel, SQL, Tensorflow, Pytorch, Scikitlearn

Web Development

- Node , HTML , CSS , Javascript, Typescript, APIs , JSP ,ETQ scripts.

INTERESTS AND INVOLVEMENT

Interest

- Data-science
- Machine learning
- Artificial Intelligence
- Stock trading

Involvement

- ACM AI club member (2019 - current)
- Auburn Hacks Sponsorship Coordinator (2020 - current)
- Jordan Hare stadium Ambassador (2018 - 2019)