

# Saheel Ravindra Sawant

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## EDUCATION

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**University of Florida, Herbert Wertheim College of Engineering, USA** **August 2019 - May 2021**  
*Master of Science (M.S.) in Computer Science* **CGPA: 3.22/4**

Relevant Courses: Human Computer Interaction, Blockchain Optimization & Applications, Computer Networks, Advanced Data Structures, Analysis of Algorithms, Database Management Systems

**University of Mumbai, St. Francis Institute of Technology, India** **July 2015 - May 2019**  
*Bachelor of Engineering (B.E.) in Computer Engineering* **CGPA: 8.85/10**

Relevant Courses: Data Structures, Distributed Database, Software Engineering, Machine Learning, Computer Organization and Architecture.

## TECHNICAL SKILLS

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- Programming Languages: Java, SQL, Python
- Data science libraries: NumPy, Pandas, Matplotlib, Seaborn
- Software and Tools: IntelliJ IDEA, Jupyter Notebook, PyCharm, Tableau, AWS
- Web Technologies: HTML, CSS, JavaScript
- Operating Systems: Windows, Linux

## PROJECTS

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**Comparative analysis of page conversion rates using A/B Test** **July 2020**

- Created a system which performs an A/B test to compare performance based on the conversion rates between two web pages of a website. Used a regression approach to verify the results of p value and Z scores and to determine the dependency between factors considered in the hypotheses. *Python, Statsmodel*

**NoteSpace – Applying Direct Manipulation in Note-making.** **May 2020**

- Developed a desktop application using Electron that allows auto-copy of the highlighted text from file into the workspace. Conducted a user study to compare and test the application's usability in terms of direct manipulation with the traditional (select-copy-paste) method. *Python, JavaScript, AJAX, Node.js*

**Identity Ledger on Blockchain** **March 2020**

- Designed a blockchain-based system that provides access management (view, edit, share) for documents to be exchanged between users. Implemented using the concepts of digital smart contracts and cryptographic hashing of public and private keys. *Ganache, Interplanetary File System (IPFS), Metamask plugin*

**CALA – Crime Analysis in Los Angeles** **December 2019**

- Created a dynamic website using Servlets to extract crime related trends using complex queries from a historic dataset of 1M tuples. Processed the raw dataset and modelled the database schema as per the integrity constraints and normalization rules. Insights were presented using charts.js *Java, Oracle SQL developer, JSP*

**Sports Analysis and Outcome Prediction system (Senior Year Project)** **May 2019**

- Developed an intelligent system for Cricket (IPL) and Football (EPL) to predict the winning odds for a match using a statistical dataset (CSV files). Used PCA to generate attack and defense strengths for each team and performed comparative analysis for ML (Random Forrest, SVM, KNN) algorithms. *Python, Flask, HTML, CSS*

**Foodieeee** **May 2018**

- Created an online food blogging android application with the review-rating system, photo capture provision for users and a recycler view layout based on user preference and location. User authentication mechanism was added using Google Firebase rules. *Java, Android studio 3.0, Google Firebase console*

## LICENSES & CERTIFICATIONS

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- Intermediate Python for Data Science – Issued by DataCamp ([View Here](#))
- JavaScript for Web Designers - Issued by LinkedIn Learning ([View Here](#))
- Data Analytics Fundamentals – Issued by AWS Training and Certifications ([View Here](#))

## EXTRA CURRICULAR ACTIVITIES

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- Student Body President, Computer Society of India - St. Francis Institute of Technology (CSI-SFIT) **2017-2018**
- Volunteer for National Service Scheme Unit II, St. Francis Institute of Technology (NSS-SFIT) **2016-2018**