

Saurav Singh

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EDUCATION

Drexel University

Graduation – June 2020

B.S Computer Science | **GPA** – 3.7 / 4

Teaching Assistant – Python Programming, Web Development, GUI

EXPERIENCE

Bentley Systems

April - September 2019

Software Engineer Intern – Philadelphia, PA

- Developed and maintained an icon database web-app for the internal UX website using React and TypeScript
- Optimized the app by implementing lazy-loading component to smoothly handle over 8000 icons in infinite-scroll
- Wrote scripts which utilized MS Graph API to automate the deployment when new icons were added / modified
- Utilized Git for version control and Azure Devops for CI/CD and deployment

YPTC LLC

April – September 2018

Frontend Developer Intern – Philadelphia, PA

- Created custom data visualization and interactive dashboard of financial data using React and D3.js
- Built a web platform with embedded Power BI support to showcase the data visualizations created by the team
- Developed an app to perform spatial analysis on non-profit organization data using various clustering algorithm

PROJECTS

Focus – Flutter, Firebase, TensorFlow lite

- Designed and developed a To-Do list mobile app using Flutter that rewards the user for task completion
- Implemented a computer vision module that verifies task completion using SSD MobileNet with TensorFlow lite

Symmetry Sketch – Java, Canvas

- Developed an application that allows user to draw symmetric art using Java
- Utilized MVC architecture and implemented features to save, load and export the canvas as an image

FTP Client and Server – Python, Socket

- Implemented an FTP client and multi-threaded server following RFC 959 documentation using Python and Socket

SKILLS

Programming Languages : Python, JavaScript, C++, Java, TypeScript, Dart, HTML, CSS

Frameworks : **JS** – React, Node, D3, jQuery, Express | **Python** – Flask, Numpy, Pandas, Streamlit, Pytorch

Technologies : Flutter, Android, Docker, SQL, Firebase, GraphQL, Hive, Git, Bash

AWARDS & INTERESTS

A. J. Drexel Scholarship, Dean's List, Isaac L. Auerbach Innovation Award 2020

Fingerstyle Guitar, Photography, Travelling, Gaming, Poker