

# Sanket Jain

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## OBJECTIVE

Looking for full time opportunities in front-end/full stack software development

## EDUCATION

**Stevens Institute of Technology**, Hoboken, NJ Aug 2019 - Dec 2020  
Master of Science in Computer Engineering: GPA: 3.75/4

**Dwarkadas J Sanghvi College of Engineering**, Mumbai, India Aug 2014 - May 2018  
Bachelor of Engineering in Electronics and Telecommunication

## SKILLS

**Programming:** C, C++, JavaScript, TypeScript, Python

**Web and Networking:** HTML/CSS, Sass, React, Node, Express, Gatsby HTTPS, Rest API, GraphQL, Jest, Enzyme, SQL

**OS:** Windows, Linux (Ubuntu, Raspbian, WSL)

**Tools:** Google App Engine, Firebase, AWS, Git, JIRA, Real Time Operating Systems (RTOS)

**Hardware/Electronics:** Microcontrollers (AVR, STM, TI), Arduino, Raspberry Pi, SPI, I2C, UART, USB, Bluetooth, Wi-Fi

## EXPERIENCE

**Contentstack** – Front-End Development Intern June 2020 - Present

- Working on UI development for a content management system product
- Creating reusable functional components and page wrappers in HTML and ReactJS
- Connecting front-end to back end with Rest API and state-management using Redux
- Writing test cases for JS code utilizing tools such as Jest and Enzyme
- Maintaining project version control on Git and GitHub and tracking project progress and objectives on JIRA

**Stevens Institute of Technology** – Research Assistant Aug 2019 – May 2020

- Collaborated with senior PhD student on research in object localization and robotics
- Worked on embedded systems applications involving RF, I2C, UART, Bluetooth and IoT protocols such as REST and MQTT
- Prepared plans of actions to go about project stages and paper presentations
- Kept track of project development, team contributions, inventory of projects and documentation

**Acuradyme Medical Systems** – Embedded Systems Engineering Intern Dec 2018 - May 2019

- Researched and studied applications of electronics and embedded systems in healthcare
- Generated circuits diagrams and firmware code for Atmel AVR microcontroller-based devices
- Produced digital system processing implementation on TI ARM microprocessor boards installed with biological sensors

## PROJECTS

**Portfolio Website** - <https://sanketjain.me/> Oct 2020

- Built a multipage portfolio website elaborating on professional work profile
- Added interactive and animated components produced in ReactJS and CSS in JavaScript
- Set up a contact form for users by making use of Firebase's Realtime Database and email notification functions

**Fonebooc** - <https://fonebooc.sanketjain.me/> June 2020

- Engineered a contacts management web application in HTML, ReactJS & Redux
- Implemented authorization, access control and database with Google Firebase's using Rest API
- Designed user interface with Bootstrap and Sass

**Smart Kitchen Smoke Detector (DragonHacks 2020)** Feb 2020

- Configured Arduinos to push data to network through HTTP requests
- Created a web application on Google App Engine with JavaScript to accept incoming HTTP requests
- Programmed app to normalize data received from data and push data to a Google Sheet with timestamps for logging

**Robot Arm (Stevens Institute of Technology)** Jan 2020 (ongoing)

- Experimenting on Trossen Robotics robot arm with Robot Operating System on Ubuntu based OS on NVIDIA Jetson Nano
- Controlling robot arm through voice control established with Google Speech-To-Text API
- Interfacing devices such as LiDAR and camera module to provide computer vision

## ACHIEVEMENTS AND CERTIFICATES

- Won at DragonHacks 2020 Hackathon: Second Place (Silver Medal), MLH – Best use of Google Cloud, Best Hardware Hack
- Finished Udemy's AWS Certified Cloud Practitioner Course
- Published technical paper in tech magazine DJ SPARK 2018; ISBN: 978-93-86724-75-5