

SAI KRISHNA DUBAGUNTA

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EDUCATION

New Jersey Institute of Technology (NJIT), Newark, NJ

Jan 2016 - Present

Master of Science, Computer Science, 3.2 / 4.0

Relevant Courses : Data Structures and Algorithms, User Experience Design, Data Science, Machine Learning, Image Processing, Internet & Higher Layer Protocols, Operating Systems

Andhra University, Andhra University, India

Oct 2010 - May 2014

Bachelor of Technology, Computer Science, 6.58 / 10.0

Relevant Courses : Data Structures and Algorithms, Compiler Design, Formal Language and Automata Theory, Image Processing, Computer Graphics, Data Warehousing and Data Mining, Discrete Mathematics

TECHNICAL SKILLS

Languages:	C, C++, Python, Java, Objective-c, Swift 2,3 & 4	Tools & Softwares:	Git, Matlab, Atom, PyCharm, Eclipse, Sketch
Front-End:	React/Redux, RelayQL, React-Native, HTML, SASS, CSS, Javascript, jQuery, ElectronJS	Operating Systems:	Linux, Windows, macOS
Databases:	PostgreSQL, MongoDB, SQL, Oracle, MySQL	Web:	JSON, REST, SOAP, XML, GraphQL

PROFESSIONAL EXPERIENCE

iOS Developer

HCI Labs, NJIT

Jan 2017 - Jun 2017

- Developed user interface for all the sprints that were designed by the team using **material framework** for iOS
- Built the application's storage system using **Realm** databases and **NSUserDefaults** for storing and caching
- Integrated **Firebase** as the server for messaging application and developed the interface using **collectionView**
- Made bug fixes for the application and **added constraints** to maintain the **layout** for **all size classes**

Web Developer

Self-employed

May 2017 - Present

** All of these projects are hosted and maintained on Heroku and m Labs for mongoDb databases

• HTML Creator

- **React/Redux** intensive application that detects every keystroke and renders it as HTML in a container
- Built a support for inline-CSS and inline-Javascript functions and cross origin functions for the html file
- Support for downloading the HTML content created as 'preview.html' into the **users filesystem using NodeJS**

• Github Resume

- **React/Redux** intensive project created in hackathon hosted by Boston University
- This application analyses the profile of the user and builds a **summarized** profile of the projects
- **Github OAuth** is used to maintain the resume and search for other users
- made all the queries to the GraphQL server

• Billboard + Discogs

- **Django + React** application that displays unique albums on billboard's top 200 and displays all their tracks
- Developed **Scrapy scripts** for crawling the billboard website every week and store the data in **PostgreSQL**

• Sensic - bridging application among music providers

- Developed user authentication system using **PassportJS** and support for Facebook and Google APIs
- Developed a chat server using **Socket.io** for users to text other users and creating channels and group chats
- Developed a theoretical algorithm to match songs over two music platforms for individual users
- Design UI for all the platforms, i.e., iOS | Android | Desktop – Windows | Mac
- Goals : iOS & Android using React - Native – Desktop using ElectronJS

• Youtube Mock

- Developed user interface using **SASS** and **Bootstrap for React**
- **React/redux** intensive application for searching the youtube API and displaying the relative results
- Developed a single page application for loading videos and playlists and autoplay feature for the videos