

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

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 mLabs 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**

• **Campaigner**

- **MERN** stack application for users to host a campaign on the server depending on the number of credits
- Credit system developed using the **StripeAPI** for payments and storing them as credits into the user account
- Mail a campaign to a set of predefined email IDs from the subscribers database using node-mailer
- Developed a user authentication system using passportJS

• **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

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

Operating Systems: Linux, Windows, macOS

Databases: PostgreSQL, MongoDB, SQL, Oracle, MySQL

Web: JSON, REST, SOAP, XML, GraphQL