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, 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 ElectonJS
- **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 &	**Tools & Softwares:**	Git, Matlab, Atom, PyCharm,
Front-End:	React/Redux, RelayQL, React-Native, ReactVR,	**Operating Systems:**	Linux, Windows, macOS
Databases:	PostgreSQL, MongoDB, SQL, Oracle, MySQL	**Web:**	JSON, RESTful services,