

MAHAK SINGH

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<https://github.com/mahak0712> | <https://mahak-singh-portfolio.herokuapp.com/> | <https://www.linkedin.com/in/mahaksingh>

EDUCATION

Northeastern University: Boston, MA (GPA:3.4)

Sep 2018 – Dec 2020

Master of Science in Information Systems

Relevant Coursework: Web Design and User Experience · Web Tools · Program Structure and Algorithms · Application Engineering Development · Data Science · Smartphones Application Development

Rajiv Gandhi Technical University: Bhopal, India

Sep 2011 – May 2015

Bachelor of Engineering in Electronics and Communication

TECHNICAL SKILLS

Languages: C++, Java, JavaScript, Python, Swift, Data Structures, Algorithms

Web Technologies: HTML, CSS, React, Redux, Angular, GraphQL, AWS, Node JS, Ruby on Rails, Spring, Hibernate

Skills: Object-Oriented Programming, Rest API, Web Application Development, Java Application Development, IOS Development

Development /Version Tools: Git, GitHub, Visual Studio, Bootstrap, Eclipse, Net Beans, Maven, Tomcat, Terminal/Console

Databases: MySQL, SQL Server, MongoDB

PROFESSIONAL WORK EXPERIENCE

Ionic Materials, Inc

May 2019 – Dec 2019

Full Stack Developer Intern: Woburn, MA

- Built and designed a full stack application, BAMS I which processes, analyzes and renders data visually using **React** to encapsulate the complete process of Battery Manufacturing.
- Data is stored on a backend created using **Node**, **Express** and **MongoDB** which was previously stored on large and tardy excel sheets
- Deployed the web application on companies On Premise Windows server which is used by ~30 people a day resulting in 40% performance speedup
- User authentication with Active Directory/**LDAP** for identity management, single sign on (SSO)

Abhyudaya Multimedia

Jul 2015 – Jan 2018

Data Analyst: Indore, India

- Completed analysis for business-optimization projects, reporting tools. Took part in project planning, business modeling, and user acceptance testing
- Performed ad-hoc analysis and converted the analytical findings into reports and dashboards in **Tableau** for reporting to the executive Leadership
- Write **SQL** queries to extract and analyze data from the database

PROGRAMMING PROJECTS - <https://github.com/mahak0712>

Social platform for dog owners

Mar 2020 – Apr 2020

- Built a socializing platform for dogs and their owners to offer dogs with superior matchmaking experience by expanding geographical opportunities to meet compatible partners using **React** as front-end and **Redux** for state management.
- The back-end use of **Node**, **Express**, **MongoDB** and **Mongoose**

Portfolio

Dec 2019 – Feb 2020

- Designed and created a website to show my work and skills using **ruby on rails**
- Implemented blogging feature with real time commenting using **action cable**

E-commerce website

Apr 2019 – May 2019

- Implemented an e-commerce application for buying and selling skincare products – Maven project incorporating dependency injection, interceptors, filters built-in **Spring** and **Hibernate** along with **MySQL** backend

Dog Breed image classifier

May 2020 – June 2020

- Implemented multi-class image classification with 10,000+ labelled images and 120 different dog breeds using **transfer learning** and **TensorFlow 2.0**

Study App (Mobile Application)

Nov 2020 – Dec 2020

- Designed a platform for people where one can find a study buddy among other users. This app will help them to connect and work cross-functionally by sharing ideas in the form of text messages, images, videos, documents, etc. It even allows them to work on a random generated problem together and track respective progress.
- Pods used MessageKit, CoreLocation, AVFoundation, AVKit, MapKit, MobileCoreServices, SafariServices