

Omkar Sakharam Salunke

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[GitHub](#) | [CodePen.io](#) | [LinkedIn](#)

EDUCATION:

Candidate for Master of Science in Computer Science,

University of Massachusetts Lowell GPA: 3.75/4.00

Expected Graduation May 2018

Related Courses: Database 1, Analysis of Algorithm, Human Computer Interaction,
Cyber Security and Cyber Crime Investigation, Internet of Things

University of Mumbai, GPA: 3.50/4.00

June 2011 – May 2015

Bachelor of Engineering in Information Technology

Related Courses: Data Structure and Algorithm, Internet Programming,
Object Oriented Analysis and Design.

Work Experience:

TRIUM Info Solutions Private LTD., Mumbai, India.

Sep 2015 – Apr 2016

Web Developer

- Exposed to **Agile** Process and Daily **Scrums** to discuss the progress in the Development of Application.
- Developed **Triggers, Functions, Stored Procedures** and **Database tables** in Oracle Database.
- Created **Cross-Browser** compatible and Standard-compliant CSS based Page layouts and transformed Desktop ready sections to be Mobile and Tablet responsive with CSS **Mixins**.
- Developed **Asynchronous** way of data retrieval from Database and server using **AJAX** and **Javascript**.

Personal Projects:

Hawkathon 2017 (organized by MIT hacking Medicine):

Mar 2017

InstaBlood

- Created a Responsive web application using **HTML, CSS, JavaScript(ES6)** and automated the workflow using **GULP** as a build tool for a project 'InstaBlood' which connected potential Blood donors and requestors to form a big network.
- Integrated **Webpack** in order to support **JavaScript Modules** and tested connection of forms using **AJAX** and **JSON**
- Used **RFM analysis** and other techniques to localize areas with high density of Potential donors.
- 1st Price for Most effective use of Healthcare Data.

Geolocation Finder

Feb 2018

- Developed a web application which uses **Google Geocode API** that allows user to search any location along with its geometric coordinates, street address and country name .
- **AXIOS HTTP Client** was used to fetch the address from Geocode API which returns a **Promise** and Further, **Google Maps API** was integrated into application.

Academic Projects:

Mean Stack App

Dec 2017

- Developed a Student information System(SIS) Web application using **Model-View-Controller** architecture from Scratch in a group of 4 people.
- Optimized workflow processes and Build time using **Angular CLI** and **Webpack**.
- Managed to create a separate Reusable Graph component and integrated **Fusion Charts** to plot interactive data of Courses taken by students in each Semester using **Angular 4**.
- Created **UI mock-up's** and overall layout of Elements for each page using **Wireframing tools**.
- Managed to set up Backend Database system with **MongoDB, Mongoose** and **ExpressJS** on the Server side.
- Utilized **Bootstrap 4's 12-Grid-layout** and its various other Components to Design web Pages.

Internet-of -Things, AWS

Feb 2017

- Used **Raspberry-Pi** and Different sensors(Camera, Motion sensor) to implement a motion control system in **Python** which automatically turns on camera on motion detection.
- Integrated with **AWS IOT** to send camera and motion sensors data to **DynamoDB** using **AWS IOT services**.
- **MQTT** protocol model was used to generate certificates and publish/subscribe data to AWS in the form of **JSON**.

Technical Skills:

Programming Languages: Java, C++ , Python

Web Technologies: HTML, CSS, JavaScript[ES6], TypeScript, Bootstrap, Gulp, MVC, JSON, AJAX, REST API, Babel, Webpack,

Design Technologies: CSS[SASS], CSS Grid, Wireframe UI Design tools, BEM(Block-Element-Modifier).

Frameworks & Libraries: Angular 2+, Express, NodeJS, JQuery. D3JS, PostCSS, Font-Awesome, Material Design UI, FusionCharts.

Version Control System: Git.

System: Mac OS, Linux, Windows.

Database: MS SQL server 2008, Oracle 12c, MongoDB, REDIS.

Tools: VS Code, Atom, SublimeText, NetBeans,, Eclipse, Adobe Illustrator, Photoshop.

Certifications: "Interactivity with JavaScript" by University of Michigan on Coursera.,
"Programming and Web Technology" by Duke University on Coursera.