

SAGAR MAHAJAN

Website: <https://sagarmah.github.io>

LinkedIn: <http://www.linkedin.com/in/sagar-mahajan-517926b3>

10916 Oakwood Drive,
Fairfax, VA 22030
Email: sagarmahgm@gmail.com
Contact: (703)-479-1600

EDUCATION

- **MS Information Systems, George Mason University, Fairfax VA** Dec 2015
Courses: UI Development, Component Based Software Development, Data Mining
Principles of Ecommerce, Database Management for World Wide Web,
Data Structures & Algorithm, Distributed System Software, Project Management
- **BE Electronics & Communications, University of Mumbai, Mumbai India** May 2013
Courses: Object Oriented Programming in Java, Microprocessors & Controllers,
Image Processing in Matlab, Encryption & Decryption, Random Signal Analysis

EXPERIENCE

- **Software Development Engineer at Robomq.io, Mclean, VA** Mar 2016-current
Designing and developing software with a small yet sharp startup team making applications for IOT and SAAS
We work in an agile environment and as a software developer, I am currently working with Node js, Python
and Ubuntu.
Skills: Ubuntu, Node JS, Python, Docker, Saltstack, LucidCharts, Raspberry Pi.
- **Web Development Intern at Ace Engineering Services, India** Mar 2014 – Feb 2015
Designed and implemented the Web site and Database for successfully moving the Brick and Mortar Business
to E-commerce Domain. Developed the Front End from the scratch including layout design, catalogs, flow etc
and also helped with Database Development and backend.
Technologies Used: HTML, CSS, Javascript, Angular js and PHP for server side
- **Executive Technical Support at Ace Engineering Services, India** Apr 2010 - Jul 2013
Provided technical support and troubleshooting for the Machinery and electrical products and managing
customer relations, requirement gathering and Business intelligence.
Skills used: Electrical and Mechanical Engineering, Customer Relations, Business Analysis

PROJECTS

- **Mason Dining Website: <https://sagarmah.github.io/masondine/>** Dec 2015
For a User Interface Development course, we worked on developing a perfect User Interface for the
University Dining Website with table reservation application. We used prototyping and end user testing
for this project.
Technologies : HTML5, CSS, Javascript, Github
- **E commerce website: <https://sagarmah.github.io/taskmasters/>** Dec 2014
Managed a team of 5 people for an E-commerce project called TaskMasters which connected part time
employees with employers. We implemented RAD methodology where I contributed with project
management, business strategy, Front End Development and code integration.
Technologies: AWS(EC2, RDS), Bootstrap, HTML, Javascript, PHP, MySQL.
- **Class Course Website** May 2015
For a component based software development class, I developed a class course registration website using
MVC framework and hosted on AWS and followed a Agile like methodology to finish the project.
Technologies: Java, J2EE, JSF, Spring, Ajax, MySQL, JBoss, AWS (EC2, RDS)
- **Web App with RESTFUL API** Ongoing
As an independent project I am making a web application with RESTful API using the MEAN stack. Using
Grunt to build the project.
Technologies: Node JS, Angular JS, NOSQL, Mongo DB, Express JS, Bootstrap, Chrome's POSTMAN.
- **Sentiment Analysis of Amazon Product reviews** June 2015
A Data mining project where we determined best algorithms for Sentiment analysis and classification of
Amazon product reviews using Bag of Words and Random Forest, Bayes Algorithms to mine for data.
Technologies: Data Mining, WEKA, Python.

- Hobby Project Drupal 8:** Feb 2016
 Worked on a hobby website using the latest Drupal 8, focusing on understanding the basic and intermediate Drupal 8 concepts.
 Technologies: Drupal 8, Acquia
- Analysis of phone Based business Directory Systems** May 2015
 Worked on the root-cause analysis of the inefficiencies of phone based business directory systems in the market. Proposed an alternative web based system with improved requirements & revenue plan using breakeven point analysis. Laid plans for the ideal structure & hierarchy of the organization.
Skills: Business Intelligence, System Analysis, Project Management
- Distributed File Sharing System and RMI** April 2015
 Designed and implemented a simple prototype file sharing system with concurrent servers with ability to handle multiple clients and interruptions. Also added a client/server key- pair dictionary database to the system for Remote Method Invocation.
Technologies: Java Sockets, Distributed software design concepts.
- Coin recognition system using Image processing** Mar 2013
 Managed a team of 5 to develop an algorithm to sort coins using image Processing, Data Analysis and histogram computations. We used the algorithm to run a robotic sorting mechanism built on ATMEL micro controllers.
Technologies: MATLAB, Image Processing, Circuit Design, C++, Micro controllers.
- Project Management for Advanced ATM** Dec 2015
 For a software Project Management course, I studied basic management concepts and proposed plans for a project to upgrade ATMs of a certain bank to have advanced capabilities.
Skills: Project Management, Business Analysis.

CERTIFICATIONS

- SOLO LEARN Javascript Basics** Feb 2016
 Certificate # 1024-658500
- SOLO LEARN SQL Fundamentals** Feb 2016
 Certificate # 1060-658500
- Technophilia Advanced Robotics and Embedded Systems Design** July 2012

TECHNICAL SKILLS

- Programming** : Java, Python, C++
- Web** : Angular js, MEAN Stack, Bootstrap, J2EE, Drupal 8, Django, Javascript, HTML, CSS, PHP, SQL, D3js, JSON, XML.
- Platforms** : Windows, Linux, JBOSS7, TomCat, LAMP
- Tools** : Git, Eclipse, Visual studio, Pycharm, Weka, AWS, Adobe Photoshop, MongoLab, POSTMAN

REFERENCES WILL BE MADE AVAILABLE ON REQUEST.