

SAGAR A. MAHAJAN

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OBJECTIVE

I am looking forward to work with an organization utilizing my knowledge, creativity and determination while providing intellectual and professional growth.

TECHNICAL SKILLS

Programming Languages: Java, Python, C++, C#, linux shell, Drush.
Web designing and DBMS: Drupal 8, MEAN stack, Javascript, Angular js, HTML5, CSS, PHP, AJAX, MySQL, NOSQL, D3js.
Servers used: JBoss7, TomCat, LAMP.
Tools: GitHub, Eclipse, PyCharm, Weka, AWS, Xampp, UML.

EXPERIENCE:

Ace Engineering Services, Mumbai, India: Web Developer and Technical Consultant (Part time off Location).

- E-commerce development including revenue planning, marketing strategy and technical writing.
- Front end website development using HTML/ CSS and Javascript.
- Suggesting rebranding, designing catalogues, presentations and proposals.
- Database Management and technical assistance to customers.

Dorfix, Delhi, India: Voluntary Front end Developer (part time Off Location)

- E-commerce business strategy, rebranding and System Analysis.
- I am also responsible for trying different frameworks and providing prototypes for a new Website.
- I am currently working on Angular js prototype.

University of Mumbai: President IETE student Forum (Voluntary/ Elected)

- Led small teams for educational requirements research, technical event management and Public relations.
- Was successful at procuring placements and sponsorships for my college.

George Mason University: Print Service Assistant (Part time)

- Handling customer support and technical service for printing and copying systems.

EDUCATION

MS in Information Systems

George Mason University, Fairfax VA

Graduation Date: **December 2015**

B.E. in Electronics and Telecommunications

University of MUMBAI

Graduation Date: **May 2013**

PROJECTS

Mason Dining Website: sagarmah.github.io/masondine/

- Languages and tools: HTML 5, CSS, javascript, Github.
- Part of a team of 3, where I led the frontend development of on campus dining website with table reservation facilities, the key goal being developing a perfect UI.
- We followed agile process to finish the project which included several interviews, tests and iterations.

E commerce website: sagarmah.github.io/taskmasters/

- Managed a team of 5 people – Assignment of Tasks based on individual interests/skills, project tracking & project presentation
- Developed the lead business strategy and the workflow of the system.
- Researched competing websites and proposed a revenue plan as well as promotional strategies to achieve optimal ROI (Return on Investments).
- Developed the front end using PHP, Javascript. Responsible for code integration & website hosting on AWS using EC2 framework.

Hobby Project Drupal 8:

- Working on a hobby website using the latest Drupal 8, focusing on understanding the basic and intermediate Drupal 8 concepts.
- Contributed to the community on problems regarding Pathauto's compatibility for version 8.0.2

Project Management: Advanced ATM proposal

- Simulated software project management for an Advanced ATM project as part of a course.
- Learning basics of management including concepts like WBS, Gantt charts etc.

Distributed File sharing System

- Made a File sharing system using the networking and socket libraries of java and having concurrent servers with ability to handle multiple clients simultaneously and to resume download or upload after any interruptions.

Class Course Website

- A component based web development project emphasizing on the basics of MVC based web development frameworks to create information based class course website.
- Languages used: HTML- CSS, Java (JSF), Java EJB, Prime-Faces, Ajax, XML
- Tools: Eclipse, Amazon Web services EC2 and RDS, FileZilla, Putty, Mysql, JBoss server essentials.

Information Systems Analysis

- 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 new structure & hierarchy of the organization. Presented to the professor for a funding proposal.

Sentiment analysis and mining on Amazon product reviews

- Managed a team of 3 for a project on sentiment analysis (text classification) of the Amazon Kindle bookstore reviews into 3 categories (good, bad, neutral) from a set of 6800 reviews.
- Responsible for Dataset preparation and feature creation and selection into a knowledge base using Python & Weka/R.
- Tested Back propagation and Random forest classification algorithms to achieve highest accuracy at optimized computational cost.

Remote Method invocation

- Java Networking and RMI libraries were used to make a simple client/server key pair dictionary database with the client having the ability of adding, removing, editing and querying the Key- Value pairs.

Coin recognition system using Image processing

- Led a team of 5 to develop a prototype Image processing system to recognize several coins and sorting them.
- Responsible for research & documentation of the project. Developed the system using MATLAB
- Designed the circuits for microcontroller based robotic equipment using Pspice & ATMEL Toolkit.

ACADEMIC COURSES

Software development:	UI development, Data structures and algorithms, Database management Component based web development, Distributed system software.
Software management and analytics:	Software Project Management, Data mining, Information System and analysis, E-commerce principles
Networking and securities:	Principles of Computer networks, Information Security Assurance.