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Param Sudhir Mehta

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Software Engineering Graduate student seeking full-time opportunity in Software Engineering starting May 2018.

Professional Experience

Software Developer Intern, *Direct Connect LLC, Scottsdale, Arizona, USA.*

June 2017 – December 2017

- **Lead role** in developing the **SDK** for Desktop, Android and iOS applications using **Python**.
- Developed a Shopping Application using the SDK for **Android** and **iOS** using the SDK, the payment is done using UDCC gateway.
- Developed a **Python Data Science** model using **SciPy** and **Matplotlib** to visualize the trends followed by the gateway users.
- Developed **Machine Learning** model using **SciPy**, **SciKit-Learn**, to recommend products to the users.

Technologies: Angular, Node JS, Python, Pandas, Android, Swift, XCode, Objective C, REST API.

Graduate Student Developer, *University Technology Office, Arizona State University, Tempe, Arizona.*

November 2016 – June 2017

- Developed newamericanuniversity.asu.edu and mayo.asu.edu which has 5000 daily visits, using **Drupal**'s customary, WebSpark.
- Developed **cross platform mobile application** to track Disability and Campus Carts using **Cordova** and **Angular JS**.

Technologies: Drupal, CSS, PHP, JavaScript, GIT, Jira, Pantheon, Planview, Agile Software Development (SCRUM).

Software Developer Intern, *JJD. and Associates, Mumbai, India.*

June 2015 – May 2016

- Designed a **Full Stack** Employee and Content management portal for 500 users using **PHP**, **JavaScript** and **MySQL**.
- Built an Income Tax return website with tax calculation, for clients to submit their Income Tax, used PayPal gateway for payment.
- Developed website and maintained the database server, that verified redundancy, maintained integrity with log file maintenance.

Technologies: Java Spring, Java, MySQL, Agile Software Development (SCRUM), Pair Programming.

Graduate Research Assistant, *K. J. Somaiya College of Engineering, Mumbai, India.*

May 2015 – January 2016

- Developed Quiz application using **Machine Learning** techniques to predict the outcomes of the quiz of the user based on the answers.
- **Published a research paper** based on the **algorithm for adaptive prediction**, <https://tinyurl.com/yc7l2qnk>

Technologies: HTML, CSS, JavaScript, jQuery, PHP, MySQL.

Education

Master of Science in Software Engineering | *Arizona State University, Tempe, Arizona* | **GPA 3.52/4.00**

May 2018

Bachelor of Engineering in Computer Engineering | *K.J. Somaiya College of Engineering, Mumbai, India* | **GPA 3.71/4.00**

May 2016

Skills

- **Languages:** Java, Python, C, JavaScript, jQuery, HTML, XML, SQL, CSS, Swift iOS, PHP, RDF, OWL.
- **Databases:** MySQL, PostgreSQL, Mongo DB, SPARQL.
- **Software Process:** Agile Methodology(SCRUM).
- **Software Tools/Frameworks:** Spring Boot, JavaScript, Angular, NodeJS, D3js, Spring Boot, Drupal, Elastic Search, RESTful, Hadoop, Selenium, Beautiful Soup, Apache Spark, GitHub, Tableau, AWS, ArcGIS, Pantheon, JIRA, Taiga.

Projects

Travel-Time-Aware Calendar (*Angular 5, AWS Cognito, AWS Lambda, MongoDB.* www.travlendar.com) **August 2017 – December 2017**

- Developed a Calendar interface using Angular 5, user can create, edit, delete a meeting, also addressed the conflicting meetings.
- The user can select the mode of transport which he selects to go to the meetings, implemented using Google's Distance Matrix API.
- Implemented the notification using SNS form AWS Console which the user gets, before every meeting.

Quiz Me (*Angular 5, Spring MVC, SQL, AWS S3, D3 JS.* <https://goo.gl/ciQ2Pz>)

August 2017 – December 2017

- Developed an application that uses Adaptive feedback for quiz generation for the user.
- Implemented Naive Bayes Algorithm with Machine Learning to calculate user proficiency level.
- Implemented Open Social User Modeling, User Profiling.

Stack Overflow Behavioral Logs (*Mongo DB, Express JS, Passport JS, React JS, Node JS, Chrome Extension.*)

May 2017 – June 2017

- Developed a Full Stack application to record various behavioral inputs by the user on www.stackoverflow.com using chrome extension, and display the logs on the profile page of the applicant where the user can log in and create its own account.

Before the Floods (*Angular JS, D3 JS, AWS.* <http://d3cm42vn7ovynl.cloudfront.net>)

January 2017 – May 2017

- Developed a web application using Angular 2 and D3 JS which aims at making people aware of climate change.
- Built various visualizations using D3 JS and Tableau. Obtained datasets from Openweathermap, World Bank, and WHO.

Big Data Project – Hotspot Analysis Website (*Hadoop.*)

August 2016 – December 2016

- Setup Hadoop multi-cluster (3 nodes) environment and Apache Spark on Ubuntu and Mac machines.
- Implemented MapReduce jobs in Java to process 2 GB data to get a list hotspot coordinates of New York cabs.