Siddharth Mal
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OBJECTIVE

Being a self-motivated **Master's** student from University of Central Florida**,** I am seeking a **full time opportunity** in **IT/ Software Engineering/ Development** area. I have experience of developing different applications with latest technology stacks in the full life cycle of the software design process including requirements analysis, design, interface implementation, testing and maintenance in **Agile methodology**.

EDUCATION

Master of Science, Computer Science [GPA- 3.87/4]   **Aug 2019 –December 2020(Expected)**
University of Central Florida, Orlando, Florida
Relevant course work- **Design & Analysis Algorithms, Advanced Computer Architecture, Computer Vision, Advanced Text Mining, Machine Learning, Computer Forensics II.**

Bachelor of Engineering, Computer Science Engineering [GPA- 7.3/10.00]   **Aug 2015 –Jun 2019**
Savitribai Phule Pune University, Pune, India

SKILLS

C++; C; Java; Octave; Android Studio; SQL; JavaScript; XML; R
Struts; Visual Studio; Microsoft SQL Server; Eclipse; MongoDB;
Python – Scipy, Numpy, OpenCV, Spacy, Pandas, Pytorch
Machine Learning Course – Stanford (Coursera)

RELEVANT EXPERIENCE

Teaching Assistant in University of Central Florida, Orlando, Fl   **Aug 2019 – Till now**
OOPS and **Java Programming Lab – For undergraduate computer science students for practicing programming in Java by implementing OOPS Paradigm.**
- Supervising and assisting students to solve specific programming or exercise in lab, teaching specific topic depending on the necessity.
- Providing doubt clearing session in office hours.
- Responsible for grading assignments, class participation, and exams.

Intern in Kumolus India Pvt Ltd., Pune, India   **Jun 2017 – Jul 2017**
Hospital Stock Replenishment App – This an App for replenishing stocks which tracks the availability of products and notifies the user upon exhaustion.
- Worked in **Agile methodology** and was a part of **requirement analysis** and feasibility study.
- Designed the **wireframe** according to business need.
- Developed the front end based on the Materialistic UI design and backend using PHP and with SQL.
- Was responsible for functional testing of the entire application.

Other Projects

Forkify (Website to Search Recipes) –Developed a website for searching recipes and dynamically create a shopping cart inventory to modify according to usage with AJAX promises and making data persistent by locally storing it.
- Developing a complete front-end application using **JavaScript, HTML5, CSS and Bootstrap.**
- Integrating front end with backend by implementing **MVC** framework as well as utilizing Asynchronous nature of **NodeJS**.

Natours (Tour Management App) – This is an application to showcase all tour plan and information related to the tour. It has different features like events, Calendar, User. User can login and book a tour and can pay online. It includes below features.
- Advanced authentication and authorization (including password reset), Sending emails & uploading files.
- Encryption, sanitization, rate limiting, Credit card payments with Stripe
- CRUD operations with MongoDB and Mongoose and Server-side website rendering with Pug templates.
- Deployed the final application in Heroku.

Publication

Survey Paper – Fraud Detection and Pattern Matching in Insurance Medi-Claims (IRJET)
Data Pre-processing from Hospital database and used Python to learn about the patient's record using features (Symptoms, expenditure etc.) and classified as fraud using K-means Clustering and C4.5.
https://www.irjet.net/archives/V6/i1/IRJET-V6I1104.pdf