PRAGNA MUNAGALA

+1(480)-410-1171; pmunagal@asu.edu
Github: https://github.com/PragnaMunagala
LinkedIn: https://www.linkedin.com/in/pragna-munagala-13a62559/
Portfolio: https://pragnamunagala.github.io/My_Portfolio

EDUCATION

Aug 2016 - May 2018	Masters' in Computer Engineering (Computer Systems) (CGPA 3.64/4.0) Ira A. Fulton Schools of Engineering, Arizona State University, Tempe.
Oct 2010 - June 2014	Bachelors' in Electronics and Communication Engineering (CGPA 9.23/10.0 - Gold Medalist) University College of Engineering, Osmania University, India.

COURSES

Foundation of algorithms, Statistical machine learning, Software security, Mobile computing, Distributed database systems, Embedded systems programming, Computer architecture, Real time embedded systems.

SKILLS

HTML, CSS, JavaScript, Angular 4, AngularJS, React, JQuery, Bootstrap, D3.js, C, Python, C++, Java, Android Programming, PHP, Laravel, SQL, MVC .NET, MatLab, AJAX, Bash scripting, Linux Kernel programming, Git, Unity3D, C#, Saas, Postgres, GraphQL.

EXPERIENCE

I have an overall experience of 3 years as Web developer. In all of the projects I worked on, handled front end DOM by accessing REST APIs response (in JSON format). Backend REST APIs were developed using Java, .NET and Python.

Angular Development Intern at AdviNOW Medical *(Feb 2018 - Present)*

- Develop modules for automating healthcare applications using Angular 4.
- Implement Redux with Angular which provides a predictable state container and Sass for styling the application.
- Unit testing using Karma and Jasmine frameworks.

UI Team lead at CySIS Lab ASU *(Jan 2017 - Feb 2018)*

- Developed modules for Cyr3con using PHP, Laravel, D3.js
- Developed login, two factor authentication, routing, services and interceptors for Cyr3con screen.
- Migrated entire front end framework from Laravel to Angular 4 within 2 months.
- Developed modules like vulnerability analysis, recent data, search and detail views of Cyr3con screen.

Software developer at Arizona State University Campus Health Services *(Aug 2016 - Mar 2017)*

- Developed grant management and student placement modules for ASU student portal using AngularJS, MVC .NET and HTML.

Business Technology Analyst at Deloitte Consulting India Pvt, Ltd *(Jan 2015 - July 2016)*

- Developed and integrated player, club and course modules for U.S. Golf Association using AngularJS and ASP .NET MVC.
- Integrated AEM components for Roche and Deloitte University Press projects using HTML5, CSS3, Bootstrap, JavaScript, JQuery and Sightly.
- Received spot award for outstanding performance.

Software Intern at Trendy Works Pvt, Ltd *(Sep 2014 - Dec 2014)*

- Developed mathematics and science modules for www.smartur.com using C# in Adobe Flash Player.
- Integrated the selfie functionality with virtual celestial bodies using Unity3D game engine.

PROJECTS

BraiNet Android Application - *December 2017 (Source code - BraiNet_App)*

- Developed an android application which identifies the user using his brain wave signal.
- Decision tree machine learning algorithm is used to train the model. Based on the network connectivity and battery level of mobile, the app chooses the best among remote and fog(local) server which returns the user label to the application.

Health Monitor Android application - *November 2017 (Source code - Health_Monitoring)*

- Designed an android application that does health monitoring of an individual. Supports upload/download of patient's information database to local file system/server.

Secure banking application - *October 2017 (Source code - Secure_Banking_System)*

- Developed end-to-end secure banking web application using Java, spring framework and MySQL database.
- Enhanced the security of the application by proper session handling mechanism, OTP, hashing the password in the database and using dedicated keys for critical transactions.

Team Performance Predictor - *April 2017 (Source code - Team_Performance_Predictor)*

- Implemented Multi-layer Neural Networks and Gaussian Naive Bayes classifiers on the movielens dataset to predict the performance rating of a team using Python2.
- Dataset size is 10197 samples and accuracy is approximately 65% when 90% of samples is used for training.

Image Classification using K-Nearest Neighbour - *January 2017 (Source code - Image_Classification_KNN)*

- Facial recognition and classification using K- nearest neighbours algorithm in MatLab.
- Dataset size is 7396 samples and accuracy is approximately 70% for k=50.