

# Prasad Akmar

prasadakmar.com | pakmar1@umbc.edu | 443.648.6812

**Summary:** Passionate programmer, web & mobile developer enthusiast with 3+ years of experience in software development and support. Currently seeking full time opportunities and willing to relocate without any additional accommodation.

## LINKS

Github:// [pakmar1](#)  
 LinkedIn:// [prasad-akmar](#)

## EDUCATION

### UNIVERSITY OF MARYLAND BALTIMORE COUNTY

MS IN COMPUTER SCIENCE  
 Feb 2019 | Baltimore, MD

UNIVERSITY OF PUNE  
 BE IN COMPUTER ENGG.  
 May 2012 | Pune, India

## SKILLS

### PROGRAMMING

Advanced:

• Java • C# • HTML • CSS

Proficient:

• Python • C/C++ • Shell

Familiar:

• JavaScript • MATLAB • PHP

•  $\text{\LaTeX}$

### TECHNOLOGIES

Libraries:

• ASP.NET • Bootstrap • React  
 • D3 • JQuery • volley

Databases:

• Oracle PL/SQL • MySQL • Firebase

Cloud Platforms:

• Azure • AWS

Architectures:

• MVC • MVVM

## COURSEWORK

### GRADUATE

Semantic Web

Mobile Computing

Quantum Computation

Introduction to Data Science

Service Oriented Computing

Principles of Database Systems

Scripting Languages (*Graduate Asst*)

Cryptology (*Graduate Asst*)

### UNDERGRADUATE

Operating Systems

Computer Architecture

Design & Analysis of Algorithms

Artificial Intelligence + Practicum

## EXPERIENCE

### MOBILE, PERVASIVE & SENSOR SYSTEMS LAB | RESEARCHER

Feb 2018 – Feb 2019 | Baltimore, MD

- Devised an algorithm to identify PLMs in patients with sleep disorders.
- Built a user interface to track the history of the patient's information.

### IVY MORTGAGE INC | SOFTWARE ENGINEER, INTERN

Jun 2018 - Dec 2018 | Fulton, MD

- Undertook complete ownership of a web application based on MVC framework for a Home Mortgage Provider system.
- Enhanced performance by database indexing, building stored procedures to process batch data.
- Exposed the service through a WebAPI, implemented DocuSign, Payments APIs.

### INFOSYS LIMITED | SOFTWARE ENGINEER 2

Feb 2014 - Dec 2016 | Hyderabad / Pune, India

- Developed & maintained MVVM framework web application on in a client facing project in Energy domain.
- Participated in development of proposals that have landed six-figure contracts.
- Demonstrated expertise in Oracle database application log analysis, root cause analysis for project based in Retail domain.
- Articulated standard procedures for set up activities, routine jobs, and action items improving MTTR by upto 50%.

## PROJECTS

### IMAGINATION STATION | MAR 2018 - MAY 2018

- Built WebAPI using microservice architecture to expose a neural artistic style transform algorithm.
- Developed an android application to consume the WebAPI which can convert a doodle into art using artistic style transfer algorithm on cloud.

**Technologies:** Java, JavaScript, Python-Flask, Torch, AWS, Firebase

### CRYPTX | OCT 2017 - DEC 2017

- Designed and developed cryptocurrency trading web application.
- Implemented various database concepts such as Indexing, Clustering, Transaction management.

**Technologies:** HTML, JavaScript, MariaDB, EJS

### MIPS SIMULATOR | MAR 2017 - MAY 2017

- Developed simulator for a MIPS architecture that used a Scoreboard based system to schedule instruction execution using Data cache and Instruction cache of varying sizes.

**Technologies:** Java

### SCALABLE TRANSACTION BANKSERVER | FEB 2017 - APR 2017

- Used concepts of sockets, pthreads, locks for implementation.
- Designed the thread pool, LRU buffer and shared access logging for every transaction to enhance failure detection.

**Technologies:** C++