

Prasad Akmar

LinkedIn <https://www.linkedin.com/in/prasad-akmar>

Phone +1 (443) - 648 - 6812

Email pakmar1@umbc.edu

GitHub <https://github.com/pakmar1>

Professional Experience

Research Assistant

04 Feb 2018 - Present

Mobile Pervasive & Sensor Systems Lab, UMBC, Maryland

- Developing a system to use sleep tracking data collected by mobile device and a leg band to determine user sleep patterns.
- Working a python service which keeps listening to sensor data and analyses it to convert into a meaningful interpretation which could be seen on a mobile application.

Technologies and Libraries: Python, Swift, Cocoa-Pods

Web Development Engineer – Intern

31 May 2018 - Present

IvyMortgage Inc, Rockville, Maryland

- Designing & developing a Home Mortgage Collaborator WebApp, which gives the best possible mortgage rates for user's case.
- Developing (end-to-end) a secure and a robust system involving cloud storage and third-party APIs.

Technologies and Libraries: ASP.NET MVC, MS Azure, MS-SQL, JavaScript, jQuery

Senior Software Engineer

03 Feb 2014 - 16 Dec 2016

Infosys Limited, Pune, India

- Developed and enhanced web-based application for Energy domain. Improved the performance of existing application by 35%.
- Worked on upgradation and migration of a large-scale database for a company in Retail domain to Oracle PL/SQL.

Technologies and Libraries: HTML, CSS, JavaScript libraries, Oracle PL/SQL

iOS Developer

01 Nov 2013 - 30 Jan 2014

Redbytes Software Ltd, Pune, India

- Developed and enhanced iOS application for iPhone and iPads focused towards preschool children.
- Learned API integration, database & storage handling, and authentication on iOS platform.

Technologies and Libraries: Objective-C, Core Data

Academic Projects

Imagination Station

02 Feb 2018 - 23 May 2018

- Developed an Android app to transform an image doodle into a meaningful art using a neural algorithm.
- Implemented a service on IBM Cloud of a neural algorithm and consumed it in Android application.

Technologies and Libraries: Android, Firebase Auth, DB & Storage, Python-Flask

CryptX

20 Aug 2017 - 17 Dec 2017

- Developed a unified web-based application to trade multiple cryptocurrencies including Bitcoin, Ethereum and Litecoin.
- Implemented various database concepts such as Indexing, Clustering, Transaction management.

Technologies and Libraries: HTML, CSS, MySQL, Node.js, EJS

LounGer

25 Jan 2012 - 10 May 2012

- Built an android application to unify television and social media platforms.
- Consumed IMDB APIs to fetch movie information, implemented user authentication, one-to-one chat functionality.

Technologies: Android, PHP, MySQL

Education

Master's in computer science

University of Maryland, Baltimore County

GPA: 3.6/4.0 31 Feb 2017 – 26 Dec 2018

Bachelor's in computer science

Pune University, Pune

GPA: 3.5/4.0 10 May 2008 – 16 May 2012

Skill Set

Programming Languages: C#, Java, JavaScript, Python

Web Technologies: HTML, CSS, ASP.NET, JSON, SQL

Mobile Development: Android (Java), iOS (Swift)

Libraries & Frameworks: Pandas, NumPy, Flask

Repositories: Git

Architectures: MVC, MVVM

Relevant Coursework

- Introduction to Data Science
- Data Structures and Algorithms
- Advanced Computer Architecture
- Mobile Computing
- Principles of Database Systems
- Service Oriented Computing

Paper Publications

Published: “**Mobile Based Social TV on Android OS**”, Advances in Computer Science & its Applications, March 2012.

Awards and Activities

- Received quarterly **Bravo Award**, twice for consistent performance while working in Infosys Ltd.