

Prasad Akmar

pakmar1.github.io | pakmar1@umbc.edu | 443.648.6812

EDUCATION

UNIVERSITY OF MARYLAND BALTIMORE COUNTY

MS IN COMPUTER SCIENCE

Feb 2019 | Baltimore, MD

Cum. GPA: 3.66 / 4.0

UNIVERSITY OF PUNE

BE IN COMPUTER SCIENCE

May 2012 | Pune, India

Cum. GPA: 3.5 / 4.0

LINKS

Github:// [pakmar1](#)

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

COURSEWORK

GRADUATE

Semantic Web

Mobile Computing

Intro to Data Science

Service Oriented Computing

Quantum Computation

Scripting Languages (*Graduate Asst*)

Cryptology (*Graduate Asst*)

UNDERGRADUATE

Operating Systems

Computer Architecture

Design & Analysis of Algorithms

Artificial Intelligence + Practicum

SKILLS

PROGRAMING

Advanced:

• Java • C# • Python

Proficient:

• Shell • C/C++ • HTML • CSS

• JavaScript • Android • MATLAB

Familiar:

• iOS • PHP • \LaTeX

SKILLS

Libraries:

• ASP.NET • Bootstrap • React

• D3 • JQuery • volley

• Pandas • NumPy • Flask

Databases:

• Oracle PL/SQL • MySQL • Firebase

Cloud Platforms:

• Azure • AWS

EXPERIENCE

MOBILE, PERVASIVE, AND SENSOR SYSTEMS LAB | RESEARCHER

Feb 2018 – Present | Baltimore, MD

- Working with fellow researchers and Prof Banerjee to develop a sleep monitoring system to help identify sleep disorders without need of a Polysomnography. Working on the mobile application part.

IVY MORTGAGE | WEB DEVELOPER INTERN

Jun 2018 - Dec 2018 | Fulton, MD

- Implemented an end-to-end Mortgage application system involving ASP.NET, Azure and third-party APIs. Met deadlines &
- Performed requirement gathering, held scrum meetings on daily basis

INFOSYS | SENIOR SOFTWARE ENGINEER

Feb 2014 - Dec 2016 | Hyderabad / Pune, India

- Developed & maintained WebApps with ASP.NET & MSSQLServer
- Worked on upgrading a large-scale Oracle database application for Nike.
- Led a maintenance team of 3. Been awarded for the work, twice

PROJECTS

RESTEAZE | SEPT 2018 - JAN 2019

- A system to perform sleep monitoring with help of leg movements
- Worked on determining periodic leg movements using accelerometer data to determine sleep disorders

Technologies: Python, Numpy, MATLAB

FSBCD | OCT 2018 - DEC 2018

- Studied effects of Feature Selection methods in Breast Cancer detection on accuracy of the model trained on 3 datasets

Technologies: Python, SciPy, Pandas, Matplotlib

IMAGINATION STATION | MAR 2018 - MAY 2018

- A neural algorithm driven service to transform doodles into art.
- Developed a mobile App where user can draw a doodle and convert it into art using artistic style transfer algorithm on cloud

Technologies: Android, Python-Flask, Torch, AWS, Firebase

CRYPTX | OCT 2017 - DEC 2017

- A Crypto. trading WebApp to trade Bitcoin, Ethereum & Litecoin.
- Implemented various database concepts such as Indexing, Clustering, Transaction management.

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

FRIEND FINDER | JUN 2018 - DEC 2018

- A mobile app to find friends on map in a given radius
- Implemented Firebase database, storage and authentication in a geolocation based Android app

Technologies: Android, Firebase

PUBLICATIONS

- [1] P. Akmar, G. Somani, and R. Sane. Mobile based social tv application on android os. *World Science Publisher, ACSA*, 2012.