

Prasad Akmar

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Summary: Passionate programmer, web developer enthusiast with 3+ years of experience in software development and support.

LINKS

Github:// [pakmar1](#)

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

EDUCATION

UNIVERSITY OF MARYLAND BALTIMORE COUNTY

MS IN COMPUTER SCIENCE

May 2019 | Baltimore, MD

UNIVERSITY OF PUNE

BE IN COMPUTER ENGG.

May 2012 | Pune, India

SKILLS

PROGRAMMING

Advanced:

• JavaScript • Java • C# • HTML

Proficient:

• Python • C/C++ • Shell

Familiar:

• PHP • MATLAB • CSS

TECHNOLOGIES

Libraries:

• NodeJS • Bootstrap • React

• D3 • JQuery • volley

Databases:

• Oracle PL/SQL • BigQuery • Firebase

Cloud Platforms:

• Azure • GCP

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

WALMART INC | SOFTWARE ENGINEER 2

May 2019 – Present | Bentonville, AR

- Developing conversational IVR system using machine learning techniques.
- Increased accuracy of intent matching by 40% in interactive voice response system using BigQuery reporting.
- Increased reliability of the system by atleast 20% using with containerization.

MOBILE, PERVASIVE & SENSOR SYSTEMS LAB | RESEARCHER

Feb 2018 – Feb 2019 | Baltimore, MD

- Devised an algorithm to identify PLMs in patients with sleep disorders using IMU sensor data.
- Built a mobile application to track the history of the patient's information.

IVY MORTGAGE INC | SOFTWARE ENGINEER, INTERN

Sept 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 by atleast 25%.
- Exposed the service through a WebAPI, implemented DocuSign, Payments APIs.

USABAL SOLUTIONS | COMPUTER DEVELOPER, INTERN

Jun 2018 - Aug 2018 | Columbia, MD

- Designed and developed web based application based on MVC framework.
- Enhanced performance by database indexing, building stored procedures to process batch data.
- Implemented microservices architecture to increase reliability in webservices in a monolithic application.

PROJECTS

RESTEAZE | SEPT 2018 - FEB 2019

- Built a system to perform sleep monitoring with help of leg movements
- Worked on determining periodic leg movements using IMU sensor data to determine sleep disorders

Technologies: Python, MATLAB

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

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++