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OBJECTIVE

Use my understanding of core computer science concepts, to work on something that has huge impact on people for the right cause.

TECHNICAL SKILLS

Programming Languages: Python, Java, C

Databases: SQL Databases

Version Control: Git, Perforce.

Other Skills: Algorithms, Artificial Intelligence, Rule Engines, drools, **Data Structures**, matplotlib, pandas, **AGILE** methodologies, Spring Boot, Spring Integration, Unix Shell Scripting, Web Services, Unix, X-Query, X-path, Docker, BPM tools, **Blockchain**.

EDUCATION

University of Texas at Arlington

May 2019

Master of Science in Computer Science

University of Pune

May 2014

Bachelor of Engineering in Computer Engineering

EMPLOYMENT

Summer Technology Analyst

Barclays Capital

June 2018-August2018

- Reverse engineered and documented an about to retire, legacy post trade processing system and created a POC that demonstrated its basic functionalities. This allowed team mates to better understand the business logic and flow. This helped the organization for faster development of a more efficient system that will replace the legacy one. Also conducted introductory python session that acted as a kick-starter for many to start coding in python.

Software Developer

Amdocs

December2015-July2017

- Worked in Operational Support System division for AT&T, acted as a problem solver for development criticalities and production issues. Also worked with production databases and direct interaction with clients.

Application Developer

iNautix Technologies

July2014-December 2015

- Worked on Managed Investments platform owned by Pershing LLC. Received appreciation for suggesting and incorporating simple solutions to tricky business problems, which directly impacted the client service quality. Contributed in quality improvement and optimization of code.

PROJECTS

Cloud Computing (August 2018 - Present)- Includes use of map-reduce implementation on Hadoop framework.

Artificial Intelligence (January 2018 - Present)- Includes various concepts and algorithms implementation mostly in python. This helped a lot in understanding and implementation of AI algorithms and strategies.

Grocery Planner (Sept 2017 - Present)- grocery management Android application, involves prioritized prediction of grocery needs, alerts, expenditure statistics, expenditure splitting, scanning of products. I developed the product scanning feature that could scan a product barcode with phone camera and record all product information in database and use that information to remove an item from grocery list and use the captured details to calculate final bill. Experienced all aspects of AGILE methodologies.

Database Projects (Nov 2017 – Dec 2017) - It Involves 2 academic projects on relational databases. [Project 1](#) consisted of developing SQL queries to retrieve specified data from provided database schema and a java program to load data into database using Excel or CSV files. This allowed me to develop all kinds of relational database concepts. Project 2 involved database designing for a sample car-rental service. Creating EER diagram, database schema and developing a simple web application for the same. It helped me understand and implement the database interactions for a web application.

SSD Performance Analyzer (May 2013 -May 2014) – Developed an application that could analyze and graphically demonstrate performance and calculate current life expectancy of SSD by performing various kinds of read/write operations. Used java swing, flexible i/o tool and remote procedure calls in java. comparison of the results with traditional disk drives shown clear distinction and future use of SSD's as storage devices.

TUTORING

Informational videos about concepts of computer science fundamentals mostly on Algorithms [youtube](#).

PUBLICATIONS

[Solid State Drive Performance Analysis Using Flexible I/O](#) at IJARCCCE, Vol 3, January 2014