

Skills

Programming Languages

- C++; C#; Python; C; .Net; .Net core;

Frameworks

- angularJs; JavaScript; jQuery; HTML5; CSS3 ; hadoop; Spark;

Databases

- PostgreSQL; Microsoft SQL Server; Teradata;

Employment

Software Application Developer	Arizona State University	March 2017 - Present
<ul style="list-style-type: none">• Full stack application for administration of Doctorate students in College of Speech and Hearing, ASU. C#, .Net core, angularJs, SQL Server		

Business Intelligence Developer	Target Corporation	July 2015-July 2016
<ul style="list-style-type: none">• Developed software to analyze location based guest shopping patterns for Target Stores. hadoop, pyspark, python, sql, hive		

Full Stack Developer	Target Corporation	July 2013-July 2016
<ul style="list-style-type: none">• Developed and launched a web-application to analyze real estate tax. C#, .Net, angularJs, SQL Server• Built and deployed application for inventory shortage analysis and supply chain analysis for stores and target.com merchandise. SQL, html5, javaScript		

Education

Tempe, AZ	Arizona State University	Fall 2016 – Expected Fall 2018
<ul style="list-style-type: none">• Masters in Computer Science(Thesis), GPA:3.40• Graduate Coursework : Statistical Machine Learning; Principles of Programming Languages; Distributed Database Systems; Advance topics in Databases;• Research : Working on increasing throughput/scalability of proof of work blockchains.		

Bangalore, KA	M.S.Ramaiah I.T	Fall 2009 – Summer 2013
<ul style="list-style-type: none">• B.E. in Information Science, Summer 2013 GPA:3.53• UG Coursework : Database systems; Business Intelligence; Data Structures and Algorithms; Object Oriented Programming;		

Technical Experience

Projects

- **NS3 based bitcoin-dash simulator** : Designed and implemented an NS3 based simulator with variable time-interval, block size, block propagation techniques and number of blocks to test the throughput and orphan-rate. **c++,python, waf**
- **Spatial indexing for a main-memory geospatial database** (2017). Implementing spatial indices for a geo-spatial main memory database system.Optimizing PR Quadrees to perform better for main memory. Decreased the memory used by data structure by approx 66% to fit in cache. Changed data structure to increase the cache hit ratio. **C++**
- **KDD 2016 Paper Acceptance Rank Prediction** (2016). Predicting the ranking of an institution based on heterogeneous data provided by Microsoft Academic Graph API. Used Brown's Simple Exponential Smoothing, SVM Rank and Gradient Boosting Decision Trees to predict ranks and evaluating them using the Normalized Discounted Cumulative Gain.**Python,SQL, Google Big Query**
- **Custom Compiler for python like language in ANSI C** (2016). Developed parser and compiler for a python like language in 5 stages entirely written in C.

Additional Experience and Awards

- **Pyramid Award at Target:**for developing and automating Vendor Income Analysis faster than designated time period saving 100 hours of manual effort every month.
- **Partner's Award:**at Target for Vendor Income Analysis.
- **Research/Travel grant reviewer-GPSA:** Reviewing and approving grant applications from candidates in research.