PRIYAL SATISH NIPUNAGE
1000 NATIONAL AVE APT 308 SAN BRUNO CA 94066-2481 | 631-605-2338

TECHNICAL SKILLS
Programming Languages: JAVA, Spring MVC, C, C++, SQL, JavaScript, JQuery, ReactJS, HTML, XML, MATLAB, Assembly
Database/Tools: MySQL, Sybase, Eclipse, JProfiler
Other Proficiencies: Algorithms, Data Structures, Object Oriented Programming, Computer Architecture,
Data Mining/Pattern Recognition
Versioning systems: SVN, GIT

WORK EXPERIENCE
Associate, BlackRock (January 2016 to present)
- **Index Pro(Java, Spring, Hibernate)**
  Worked on the Index Pro platform which is used for Indexing, benchmarks creation, projections
- **Portfolio Construction Tool (JAVA, Swing)**
  Designed and Implemented web based tool for managing the Restriction lists for Portfolio Managers **(React, FLUX)**
- Implemented Substitution framework in the Portfolio Construction tool

Analyst, BlackRock (February 2013 - December 2015)
- **Aladdin Order Management Systems - (JAVA, Spring)**
  Implemented Un-Even Rolls functionality for in Aladdin Order Management System
  Designed and Implemented the Simulator for the same
- **Cash Investment Engine (JAVA, Spring)**
  Implemented To-Do Monitor for portfolio managers to enlist the tasks and
  facilitate them to take corresponding actions
- **Web Tools (JAVA, Spring)**
  Migrated the code which was using stored procedures to make use of Data Access Server
  Implemented JAVA based server to
- **Corporate Actions Tool (JAVA, Spring, Hibernate)**
  Implemented parser for SWIFT messages

Senior Research Aide, Computer Associates (May 2012 - October 2012)
- Designed and customized widgets for automation engine for NimSoft, VMware **(JAVA)**
- Designed work-flows for automation widgets for Nimsoft **(Signavio, Eclipse)**

Associate System Engineer, IBM India Private Ltd. (July 2010 – July 2011)
- Configured and customized MAXIMO (E-AMT) for Siemens Metering Services and Tullow Oil plc. **(JAVA)**
- Provided additional functionality to the applications aimed at improving the efficiency of the applications and serving the customers in a better way

EDUCATION
Master of Science (Computer Engineering), Stony Brook University, Stony Brook (3.43/4) **- December 2012**
Bachelor of Engineering (Electronics and Telecommunication Engineering), Pune University, India - **June 2010**

ACADEMIC PROJECTS
Teaching Assistant for course- Fundamentals of C++ programming:
- Assisted professor in setting exams on basic C++ concepts like Functions, Arrays, Structures, Pointers, STL etc.
- Designed problem statement, defined project statement and implemented Blackjack card game in C++

Data Aggregation and Association Rule Learning algorithms -Data Mining (C and C++)
- Implemented Bottom Up Computation, Multi-Way, Apriori and Feature Growth tree algorithms

Design of Classifier and partitioning algorithms- Data Mining/ Pattern Recognition (C and C++)
- Implemented Bayesian classifier and Induction Tree classifier

Texture Analysis and Classification- Image Processing (MATLAB- Image Processing and ANN Toolbox)
- A multi-textured digital image is segmented into its constituent segments using K-means clustering
- Artificial Neural Network (Back Propagation algorithm) is used to determine the texture of individual segment
- Implemented Fiduccia-Mattheyses and Kernighan-Lin Algorithms