SAMEER SHINDE

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SUMMARY

- A driven and focused software engineer with experience in software development, object-oriented design, machine learning, software release/support, web applications, scripting languages, team leadership, and agile development processes.
- Strong knowledge in Java, Linux, C++, and familiarity with MySQL and Shell.
- Proven aptitude in following projects from inception to completion, and working with cross-functional teams, communicating with all levels of management and stakeholders, and directing all aspects of job functionalities.

EDUCATION

University of California, Irvine, United States (Expected-Dec 2019)
Master of Computer Science

Veermata Jijabai Technological Institute, Mumbai, India (2013-2016)
Bachelor of Technology, Information Technology — *GPA 3.53/4* ***(Rank 11/74)***

Government Polytechnic, Mumbai, India (2010-2013)
Diploma in Engineering, Information Technology — *GPA 3.86/4 (**Rank 2/72**)*

TECHNICAL SKILLS

Programming Languages: Java, C++,HTML-CSS,SQL, JavaScript
Tools and Frameworks: Eclipse, Visual Studio, GCC,GDB, Anaconda, Linux, MVC, Bootstrap

WORK EXPERIENCE

Technology Analyst | CREDIT SUISSE **|** Mumbai, India — *July 2016 – July 2018*

- **Test Automation:** Designed and programmed an in-house application for automating the Quality Assurance, Regression, and Smoke testing; used C++ along with Adaptive communication environment (ACE) framework for maintainability. It improved the accuracy, reduced cost by 80%, supported 90% of electronic trading protocols and saved 4 hours a day per person from manual testing.
- **Trade Monitoring Application:** Handled the development and Level 3(L3) technical support for applications under trade monitoring suite to be used by traders across EMEA, APAC and AMER region to cater Forex business. Refactored the details retrieval and order execution module to support Swap and Forward orders, integrated MIFID-2 compliance requirements; used C# and .net framework for enhancing user experience. Interacted with end-users for requirements gathering and conflict resolution.
- **Client Predictive Analysis:** Devised a machine learning approach to find some of the important insights from client's behavior like optimal time to send emails so that the client responds without missing that mail, data visualization etc. Executed the task of data cleaning, visualized exploratory analysis and used classification model to achieve the goal.

Software Developer Internship | CREDIT SUISSE **|** Mumbai, India — *June 2015 – Jul 2015*

- Worked in Global Markets Trading technologies department on C++ platform to develop applications designed to automate the end to end client trade flow testing. Integrated a newly released internal protocol to send orders to order management system and get its notifications

SOFTWARE ENGINEERING PROJECTS AND TECHNICAL PAPERS

Deep residual network using exponential linear unit | https://dl.acm.org/citation.cfm?id=2983406

- Designed deep residual learning model with exponential linear unit for image classification with higher accuracy.
- Decreased the error rate to 5.62% and 26.55% on CIFAR-10 and CIFAR-100 datasets respectively which outpaced the most competitive approaches previously published.
- Published research paper for the same on 21th Sept 2016 at **ACM** conference. Cite count:33

Assessing employability of students using data mining techniques | http://ieeexplore.ieee.org/document/8126157/

- Leveraged classification algorithms available in data mining to assess the employability of students.
- Prepared dataset of multiple tests parameters and applied a number of algorithms, which resulted in a better model to help students predict their employability and areas for improvement.
- Increased student's ability to identify their areas of interests and areas to work to land their dream jobs.
- Published research paper for the same on 13th Sept 2017 at **IEEE Xplore** conference.

Relational Database Management System (On going)

- This project is aimed at building a relation database management system (RDMBS) from scratch with layers of record-based file storage (Paged File Manager, Record-Based File Manager), Index manager using B+ tree, relational Manager and Query engine on top.
- Designed and developed record-based file management with best fit approach for page management and variable length records.
- The above layers are under design phase and expected to be completed by end of Dec 2018.

AI-Python for Knight's Tour Problem

- Devised an algorithm as a part of individual project using a* search to solve knight problem to help knight (On chess board) reach from one location to any other location with shortest moves.