

Pragati Balasaheb Unde

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EDUCATION

Rochester Institute of Technology, Rochester, NY

Master of Science in Computer Science (Expected-May 2018) GPA:3.5

Aug 2015 – Present

Related Courses: Foundation of Algorithms, Intro to Big Data, Big Data Analytics, Foundation of Intelligent Systems, Knowledge Processing Technology, Data Warehousing, Web Services, Graph Databases.

University of Mumbai, Mumbai, India

Jun 2007 – Jun 2011

Bachelor of Engineering in Computer Engineering

WORK EXPERIENCE

Rochester Software Associates, Rochester, NY

May 2017 – Present

Web/Java Software Engineer Co-Op - WebCRD

- Gained experience in developing web based applications using Hibernate 3.0, Spring 3, Web Services, JDBC, XML, Firebird.
- Proactively involved in finding solution to problems such as horizontal scalability and concurrency control, leading to recognition from Senior Management. Involved in developing and deploying Restful Web Services for mobile clients and dashboards.

Rochester Institute of Technology, Rochester, NY

Sep 2016 – May 2017

Data Analysis Assistant - Advance™

- Automated reports by writing stored procedures and function which will help to reduce the manual work by 75%.
- Analysed web site usability using Tableau (Data Visualization software) thereby, summarizing quarterly or annual website usage and taking meaningful action out of this analysis which resulted in automating entire business process.
- Maintaining and developing reports for development of alumni and relations department using Tableau.

3i Infotech Pvt Ltd., Mumbai, India

Aug 2013 – Jul 2015

Associate Software Engineer - DMCC Trade flow.

- Analysed, developed and maintained PL/SQL database procedure, functions, views, packages and triggers.
- Worked on full automation of one of the service of DMCC named as MURAHBA thereby, generating 50% more revenue for client.
- I was one of the lead database resource for this project. Integrated two systems of 3i Infotech, Orion and Step-In which reduces the manual task of employee record maintenance by 95%.
- Also, monitored DBA activities like EXPORT /IMPORT using data pump, schema creation, assigning grant routine. Assisted with assessing, gathering and evaluating client capabilities and needs.

PROJECT EXPERIENCE

Implementation of Graph Algebra using Graph Data Modelling Technique

Jan 2017 – May 2017

- Overcome Ne04j limitation of only supporting single graph storage by implementing techniques like Label for Each Node and Create Node for Each Graph to support multiple graph database.
- Implemented operations like selection, cartesian product, join in graph database using Ne04j.

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Nov 2016 – Nov 2016

- Implemented Multi-Layer Perceptron(MLP) and Decision Tree(DT) classification algorithms for given dataset.
- Used different python libraries for graphical representation of data set.

Rolling Die Mazes

Sep 2016 – Oct 2016

- Given initial state of the die location and orientation, find the path along its edges using A* search algorithm.
- Uses three different heuristics for the A* also at each move the location and orientation of die is shown with maze.

Twikipedia

Jan 2016 – May 2016

- Based on latest trends on twitter, populate most popular and frequent trends and giving a search box to search for unknown trends on Wikipedia. This application was implemented using Inverted Index and Vector Space Model.

TECHNICAL KNOWLEDGE

Languages:	Core Java, Python, J2EE (JSP, Servlets).
Web Technologies:	HTML, CSS, XML, XSL, JavaScript, JSON.
Framework:	Spring framework, Hibernate ORM framework.
Database:	Oracle 10/11g, MYSQL, Neo4j, MongoDB, Firebird.
Tools:	PL/SQL Developer, SQL Developer, Putty, Eclipse, Weka, WINSOCP, Maven, Tableau
Platforms:	Windows, Linux(Ubuntu).
Version Control Tools:	GitHub, SVN.

EXTRA-CURRICULAR ACTIVITIES

- **Instructor (2011-2013):** Taught two full credit Computer Science courses; JAVA, Data Structures.