

Aditya Surendra Dere

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Education

Binghamton University, State University of New York

Binghamton University, NY

Master of Science in Computer Science, Expected December 2019, Current GPA 4.0

2018 - 2019

- **Coursework :** Design and Analysis of Algorithms, Programming for the Web, Computer Architecture & Organization, Software Engineering, Programming Languages, Introduction to Data Mining, Operating Systems.

University of Pune

Pune, India

Bachelor of Engineering in Computer Engineering, First Class

2010 – 2014

Technical Skills

Computer: Java, SQL, HTML5, Oracle database, JavaScript, Node.js, knockout.js, CSS, C, C++, Bootstrap, MongoDB, jQuery, PHP, Ruby, Rails, Pivotal Tracker, MySQL, Oracle Weblogic, Cordova, JSON, XML, AJAX, Git.

Work Experience

Oracle Financial Services Software

Pune, India

Staff Consultant (Full Stack Developer)

Aug 2014 - Jan 2018

FCDB (Oracle Flexcube Direct Banking) Transaction Development and Customization

Feb 2016 - Jan 2018

(Client – Mashreq bank)

- Worked on product development, customization, documentation and testing part. Provided live production support. (March 2017 - August 2017)
- Developed and customized Two Factor login and transaction Authentication, Funds Amendment/Cancellation request, Fix Deposit transaction, Instant fund Transfer transaction, Foreign currency account opening for small-medium entity customers, Beneficiary Maintenance etc.

OBDX (Oracle Banking Digital Experience) Demo Asset – Development

Aug 2015 – Feb 2016

- OBDX Demo Asset, a mocked product which Oracle Sales team used globally for product demo in banks.
- Worked on development of critical modules like Account Activity, Funds Transfer, Unsecured Personal Loans, Application Tracker, Bill Payments, Locate-Nearby Branches etc.
- Worked on creation of Mobile Application using Cordova tool on Android and iOS platforms.

The Research Foundation for SUNY

Binghamton, NY

Research Project Assistant

May 2018 – Present

- Implement, Develop and Maintain changes to Binghamton University's website via CMS.
- Technologies working on are PHP, HTML, JQuery, JavaScript, CSS etc.

Projects

UpDoc – Online Doctor-Patient Relationship Website

CS-545 Software Engineering, Prof. Rose M Williams

<https://www.agileventures.org/projects/updoc> (Ruby-on-Rails)

Jan 2018 - May 2018

- Developed an environment using agile methodology where doctors and patients can interact, using Ruby-on-Rails, Heroku.
- Used Rspec and Cucumber for testing an environment. Used Pivotal tracker to keep track of activities.

Document Searching Application (JavaScript)

CS-580W Programming for the Web

- Developed a crude document searching command-line application. The user will specify a search by typing in a line containing search terms and the application responds with the matches found for that search from multiple documents.
- Technologies used are JavaScript, Node.js, MongoDB.

CPU Simulator

CS-520 Computer Architecture and Organization

Simulator to find out prime numbers/ Rational Numbers (Java)

Jan 2018 - May 2018

- Developed a simulator to find out Prime/Rational numbers, Assembly program is used as an input to the system.
- System performs part of tokenization and Arithmetic & logical operations. Implemented various Optimization techniques to reduce cycle count from 7289 to 486.

Human Age Estimation from Facial Images using Artificial Neural Network (C)

Aug 2013 - Mar 2014

- Developed a system which categorize inputted person's image into appropriate age-group.
- Implemented a system consists of multi-layer perceptron neural network (MLP) which uses backpropagation algorithm.