

Dhairya Hardikbhai Desai

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EDUCATION

Master of Science, Computer Science (GPA: 3.67)

State University of New York at Buffalo (SUNY, Buffalo)

Dec 2018

Bachelor of Engineering, Computer Science (GPA: 3.95)

The Maharaja Sayajirao University of Baroda, India(MSU)

May 2014

Relevant Courses: *Design and Analysis of Algorithms, Database Management Systems, Machine Learning, Analysis & Design of Information Systems, Operating Systems, Modern Networking Concepts, Computer Security, Object Oriented Programming.*

TECHNICAL SKILLS

- **Languages:** Java, C, C++, JavaScript, HTML, CSS, PHP, SQL, PL/SQL, MySQL, Python, R, Linux Kernel Programming
- **Framework/ Tools:** Microsoft Azure, AngularJS, Vue.js, Bootstrap, Android, Spring Boot, PCF, Oracle EBS

WORK EXPERIENCE

Oracle Application Developer, Evolutionary Systems Pvt. Ltd.

Jun 2014 – Jul 2017

- Developed application/dashboard for supply chain team using **OA Framework (Java)** and **PL/SQL** packages.
- Built custom forms for oracle apps facilitating complex user requirements.
- Created **APIs for data integration** with external platforms like Cerner systems by using **DB links** and **ETL Mappings**.
- Performed crucial data integration and data migration activities using **SQL*Loader, Oracle Interfaces** and **Oracle APIs**.
- Worked with the **Research & Development team** for the first Oracle Fusion-ERP Cloud implementation of the company.

Web Developer & Graphics Designer, Footprints

Sept 2012 – Mar 2013

- Designed and maintained the website for FootPrints, a national level technical event organized at MS University annually. Additionally, worked as a graphics designer and handled the social presence of the event on various networking websites.
- Technologies used: **HTML, CSS, JavaScript, PHP, MySQL, Adobe Photoshop, Wordpress**

ACADEMIC INTERNSHIP

Information Technology Intern, FedEx Services, Pittsburgh, PA

Jun 2018 – Aug 2018

- Built a **native cloud application** hosted on **Pivotal Cloud Foundry** that provides real time patching status of virtual machines hosted on **Microsoft Azure**. It provides visibility into the security of cloud based systems across the FedEx Enterprise.
- Designed client UI using **AngularJS** and **Bootstrap** with application level analytics and intuitive data filtering options. Also, developed **REST APIs** to push the required data to client UI.

ACADEMIC PROJECTS

SQL Query Engine (Java)

- Build a relational query engine to **parse SQL queries** and produce required data.
- Also implemented an optimizer to improve performance along with correctness of result.

Intelligent Personal Assistant (Java)

- Developed an android application with voice assistance to answer questions, make recommendations, manage social applications and perform specified actions. Also, build a mechanism to retrieve answers from web pages to form a response
- Designed an **NLP algorithm** using Stanford CoreNLP to create a **language parse tree** to extract actionable information.

Peer Evaluation Application (Java)

- Developed an application to capture the efforts and contributions of all the team members working together on a project that enables fairer grading. Designed **client GUI** to efficiently take user input and display the normalized scores.

Vector Graphics Editor (C++)

- Developed a basic vector editor with simple image manipulation functionalities.

Regression Analysis (Python)

- Worked with high-performance concrete (HPC) dataset and implemented various Regression models to determine the best model among them. Performed K-fold cross validation to determine the optimal regularization parameters.

HONORS AND SERVICES

- Received a certification in **Web Designing** from Ascent Computer Education.
- Won the **Director's Choice Award** for my internship project at FedEx Services.
- Took part in an anti-plastic campaign under which our team built a paper-bag that held the record for largest paper-bag in the world which was officially recognized by the '**Guinness Book of World Records**' as well as '**Limca Book of Records**'.