Chaitali Khisti

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PROFILE

Graduate student positively looking forward to a challenging career in a progressive organization that provides a **Full time Opportunity** starting from **June 2017** to capitalize my technical skills and abilities.

EDUCATION

- **Colorado State University**   *2015 - 2017(expected)*
  Master's of Science in Electrical and Computer Engineering   GPA : 3.24
  Database Management Systems, Machine Learning,
  Design of Embedded Systems, Computer Organization and Architecture

- **Savitribai Phule Pune University, India**   *2011 - 2015*
  Bachelor's of Engineering in Electronics and Telecommunication GPA : 3.46

CERTIFICATIONS

- edX – Querying with Transact-SQL
- BDU – Big Data Fundamentals Level 1
- AMCAT certified Software Development Trainee
- AMCAT certified Engineering and Design Trainee – Electronics and Semiconductors

PROFESSIONAL EXPERIENCE

- **Graduate Project Intern, BOSCH India**   *July 2016*
  - Successfully studied and Deployed the upgradation of VFC drives used for Common Rail Injectors (CRIs) testing on the Test Line leading to an increase in on-line efficiency of production.
  - The upgradation consisted of changing the Siemens CombiMaster drives to Siemens Sinamics drive.
- **Summer Intern, Bentex Engineering Pvt. Ltd., India**   *June 2014*
  - Worked as an active part of the team with associates on the automotive production line.

TECHNICAL SKILLS

- **Programming Skills** : Java, Python, CPP
- **Databases** : SQL, PL/SQL, T-SQL, Stored Procedures
- **Web Development** : HTML5, CSS3, JavaScript
- **Tools** : MySQL, Eclipse IDE, NetBeans IDE, MATLAB
- **Presentation Skills** : Microsoft Office, LATEX
- **Operating Systems** : Linux(Ubuntu), Windows (XP, 7, 10)

INTERESTS

- Implementing various optimization techniques on **Databases**.
- To develop various applications based on concepts of **Java**
- Website development using tools in **HTML, CSS** and **JavaScript**.

PROJECTS

- **Access Controls in IoT** *(Java, MySQL Workbench, AWS)*
  - Simulated an IoT environment with various IoT devices and users as nodes and implemented centralized cloud database architecture model with the objective of deriving a secure Access Control Model to monitor the device data security in IoT from a user as well as device perspective.
- **Stand-alone PDF to Word Converter Application** *(Java, MySQL)*
  - Currently working on a stand-alone off-line application which stores and presents the content of a PDF in a WORD file using Java Swings.
  - The future scope I look forward to is implementing the same using Spring Framework due to its high flexibility with RDBMS and robustness.
- **Dropout technique implementation to avoid over-fitting in Neural Networks** *(Python)*
  - Dropout is a technique wherein random nodes are temporarily removed from the network during training and the same nodes are dropped for testing of data by back-propagation in non-linear hidden layers of neural networks.
  - The accuracy for normal implementation for a sample data set is 97.3 percent whereas for dropout implementation we get 98.2 percent accuracy.
- **Vehicle Diagnostics using Android Bluetooth and GSM Module** *(Eclipse, Netbeans, hardware platform)*
  - The project can be viewed as an IoT implementation as the real time data from various automobile sensors is transmitted to user android phone using Bluetooth module.
  - The data is further transmitted to a remote server for monitoring through the in-built GSM module in the android phone.