CHAITALI KHISTI

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SUMMARY

Graduate Student looking forward to **Full-Time job opportunities** in Database Development and Management Systems, Software Development and Testing as well as Web Design and Development.

EDUCATION

2015 – 2017 **Masters of Science in Electrical & Computer Engineering**
(GPA: 3.24) *Colorado State University*
Database Management Systems, Machine Learning, Computer Organization & Architecture, Design of Embedded Systems

2011 – 2015 **Bachelor of Engineering in Electronics & Telecommunication**
(GPA: 3.46) *Savitribai Phule Pune University, India*

PROFESSIONAL EXPERIENCE

July 2016 **Graduate Project Intern**
BOSCH, India
Worked on the fault reporting SAP system used for logging the fault data for Common Rail Injector (CRI) testing line on a daily basis. Also worked in a team for deploying the upgradation of Variable Frequency Drives required for testing lines.

PROJECTS

- **Access Controls of 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** *(Java, MySQL)*
  Currently working on stand-alone offline application to store and present the content of a PDF in Word format using Java Swings.
  The future scope is implementation in Spring framework due to its robustness and high flexibility in RDBMS.
- **Dropout technique implementation to avoid overfitting in Neural Networks** *(Python)*
  Studied and implemented dropout technique on MNIST data set with the use of *tanh* activation function and compared the results with other regularization methods like L1 weight decay and L2 weight decay.
- **Vehicle Diagnostics using Bluetooth and GSM Module** *(Java, hardware platforms)*
  The project can be viewed as an IoT implementation as real-time data from automobile sensors is transmitted to user android phone using Bluetooth module. The data is further transmitted to remote server using cellular GSM module.

CERTIFICATIONS

- EdX certified Querying with T-SQL
- Big Data University certified Big Data Fundamentals (Level 1)
- AMCAT certified Software Development Trainee

SKILLS

Programming
- Java
- Python
- CPP

Databases
- SQL
- PL/SQL
- T-SQL
- Stored Procedures

Web Development
- HTML5
- CSS3
- JavaScript
- JQuery
- Bootstrap

Tools
- MySQL
- Eclipse IDE
- NetBeans IDE
- MATLAB

Presentation
- Microsoft Office
- LATEX