

Kamala Nayana Uppalapati

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EDUCATION

Northeastern University | Boston, MA

Anticipated Graduation Date: August 2018

College of Engineering

Candidate for Master of Science in Information Systems

Related Courses: Business Analytics, Data Analysis using Python, Database Management Systems, Web Tools, Advanced Engineering Development (core concepts of Java), Foundation of Information Science, Big Data Governance, Advanced Data Science

MVSR College of Engineering | Hyderabad, India

July 2016

Bachelor of Technology in Information Technology

Related Courses: C, Data Structures and C++, Java, Computer Organization, Database Management Systems, Computer Networks, Operating Systems, Data Communications, Software Engineering

TECHNICAL KNOWLEDGE

Languages	: C, C++, Java, Python, R
Programming Tools	: NetBeans IDE, Eclipse, Visual Studio, STS
Database	: Oracle, MS SQL Server, MS Access, MySQL, MongoDB, DB2, Data modeling using TOAD
Web Technologies	: HTML5, CSS3, XML, JDBC, AJAX, JSON, JSP, Servlet, JavaScript
UI Tools	: Foreui, Justinmind, Axure
Framework	: Swing, Spring MVC, Hibernate, Bootstrap
Functional Skills	: Waterfall and Agile Methodology, SDLC
Version Control/Servers	: Github, Bitbucket, SVN, Apache Tomcat
Publication	: Upgrading Human brain to Blue brain”, in International Journal of Application or Innovation in Engineering & Management (IJAIEEM), Volume 4, Issue 3, March 2015.

ACADEMIC EXPERIENCE

Northeastern University | Boston, MA

Business Analytics - Health in Hands

May 2017- August 2017

- Developed business architecture using requirements like scope, processes, alternatives and risks.
- Designed and developed user interfaces for IOS/web application using JustInmind, Axure and Visio.
- Articulated comprehensive set of business, functional and nonfunctional requirements.
- Designed use-cases, class and process flow diagrams.
- Implemented waterfall and agile software development methodologies.

Hubway Data Analysis using Python

March 2017- May 2017

- Collected data from multiple Hubway datasets and APIs using request libraries. API key is stored as environment variable.
- Extracted raw data in json and stored cleaned data in csv files.
- Analyzed the cleaned data using Ipython notebook IDE.
- Used matplotlib, seaborn to generate plots and useful insights.
- Implemented concepts of Numpy, pandas, NLTK for extensive data analytics.

Job Portal Web Application

February 2017- April 2017

- Designed and developed the Job search portal web application using hibernates in Spring Tool Suite (STS IDE).
- Implemented POJOs, Controller classes, DAO, Util and Bean classes.
- Made use of JSPs, Custom tags, HTML5 and Velocity to develop the frontend UI pages.
- Used Hibernate to interact with MySQL database by using CRUD operations.
- Used Spring validators for the server side validation.

Database Design for Retail Application

October 2016 - December 2016

- Designed a relational database schema using TOAD data modeler.
- Created multiple tables and managed the retail stores' data in MySQL.
- Applied database objects like triggers, stored procedures, views, functions on the database.
- Analyzed query results and visualized using R.
- Generated reports which helped the retail organization to evaluate their sales.