KAVITHA VISWANATHAN

217 Tonnele Avenue, Apt 1, Jersey City, NJ 07306 | +1 646 431 8080| kv668@nyu.edu
https://www.linkedin.com/in/kavithavishwanathan | https://github.com/KavithaVishwanathan

EDUCATION

New York University- Courant Institute of Mathematical Science, New York, NY   Jan 2015 – Aug 2016

   Master of Science in Information Systems   **GPA: 3.62/4**

   Award: Master's Innovation Prize 2016 (http://cims.nyu.edu/academics/student_recognition.html)

   Relevant Coursework: Fundamentals of Algorithms, Data Science for Business Analytics, Big Data Analytics, Database Systems, Production Quality Software, and Natural Language Processing

SSN College of Engineering, Chennai, India   Aug 2009 - Jun 2013

   Bachelor of Engineering in Electrical & Electronics   **CGPA: 8.3/10**

   Relevant Coursework: Object Oriented Programming, Data Structures

PROFESSIONAL EXPERIENCE

Software Engineer (Backend) - Intern, 101 Edu, New York   Jun 2016 – Aug 2016

Java | Spring | MongoDB | Gradle | AWS (EC2, CloudWatch, Route 53)

- Developed the backend login module with authentication & authorization using Spring security
- Set up the production deployment using AWS instances

Technical Consultant – Part Time, NYU – Libraries, New York   Nov 2015 – Jun 2016

PHP | CSS | JavaScript

- Responsible for the User Interface and development of their whole website (sangerpapers.org).
- Using XSLT, did XML to XML transformations for 923 XML documents.

Programmer Analyst, Cognizant Technology Solutions, Chennai, India   Aug 2013 - Nov 2014

SQL | Java | QTP | QC

- Developed automation scripts for Regression Test Suite using QTP & QC, covering around 1500 test cases that saved testing time by 80%
- Led a team of two and delegated works based on their interests to derive the best out of them.
- 'You've been spotted' award – The youngest employee to win this award
- 'Best Project of the Quarter' for achieving the proposed target well ahead of time with highest precision

ACADEMIC PROJECTS

Connect Four - A multiplayer game [JAVA, Design Patterns, JUnit]
A multiplayer game built on solid principles and software design patterns like observer, factory and builder. Used Java Swing for the User Interface.

Your commute matters – Mobile App [jQuery Mobile, Flask, Phonegap]
Built RESTful services that fetch real time track details from MTA's API and displays it based on the user's needs.

Predictive Policing for Robberies in New York City [Python, Pandas, Scikit, Matplotlib]
Built a predictive model with good AUC using k-means clustering (for data preprocessing), Decision tree (for feature selection), Naïve Bayes and LR algorithms; Worked on datasets such as NYC shape file, demographic etc.

Legacy website migration of Cadillac Database [Django, SQL, Bootstrap, DB Schema]
Worked closely with client and helped them migrate 1000's of old lengthy static webpages into new user friendly dynamic webpage by modelling a scalable database (newcadillacdatabase.org)

Determining the Airports of high Bird Strikes with Airplanes [HIVE, PIG, MapReduce, JAVA]
Made an extensive study on huge datasets and suggested the Airports in and around USA which should take precautionary measures to reduce bird strikes.

AWARDS AND ACTIVITIES

- An active board member of Student Resource Center & GSCN (Graduate Students–Color Network)
- Certificate of Distinction, Anna University: Awarded for securing the top position at the university level exams