

CHAITANYA KULKARNI

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EDUCATION

Binghamton University, State University of New York, Thomas J. Watson School of Engineering and Applied Science

Master of Science, Computer Science

Expected May 2021

Cumulative GPA – 3.9 / 4.0

Courses: Data Structures, Algorithms, Operating Systems, Web Development, Machine Learning, Data Mining, Cloud Computing.

AISSMS College of Engineering, Savitribai Phule Pune University

Bachelor of Engineering, Computer Engineering

June 2013 - July 2017

Courses: Design Patterns, Internet of Things, Embedded OS, Computer Networks, Computer Architecture and Organization.

TECHNICAL SKILLS

Programming Languages: C++, C#, Java, Python

Web Tech.: HTML5, CSS3, Bootstrap, jQuery, JavaScript, NodeJs, KnockoutJS, ReactJS, Kendo UI, JSP, Spring Boot & MVC

Other Tech.: ASP.NET, Entity Framework, MSBI, Firebase, REST APIs, OpenSSL, Apache Tomcat, XML, JSON, LaTeX

Databases: SQL, MongoDB, Oracle 11g

Tools: Git, Visual Studio, SSMS, Webstorm, PyCharm, Eclipse, PuTTY, INFOR OLAP Tools

Certifications at IBM: Travel & Transportation Industry Foundations, Enterprise Design Thinking Practitioner, Python for Data Science, Cognitive Practitioner

PROFESSIONAL EXPERIENCE

IBM

February 2018 - May 2019

Business Intelligence Application Developer

Kolkata, IN

- Analyzed forecasted data for Revenue, Expenditure, Profit and Loss stored in cube database using BI and OLAP techniques such as SSIS, SSAS and report generation by SSRS for world's biggest transportation company, MAERSK LINE
- Lead team of 5 System Engineers in developing the automated testing process to reduce time by 50%
- Awarded as best project for *Blood Donation Portal* developed in Java Servlet and JSP during training

AnAr Solutions Pvt. Ltd.

September 2017 - February 2018

Software Developer

Pune, IN

- Solely developed an application, *Campus Management System* from scratch using .NET MVC architecture and user interface using Kendo UI for company, Creative Enterprises, Inc (CEI)

PROJECTS

Voice Controlled Personal Assistant Device that Connects IOT Devices | Undergraduate, Pune, IN

- Built a hardware device that captures Human voice via microphone and subsequently process these requests using AI techniques to respond individually through speaker
- Also developed an Android application along with IOT box consisting of LCD screen, Curtain control & Lights control and demonstrated the interconnectivity between these devices
- Awarded as the Best Final Year Project out of 30 undergraduate projects in college

Sentiment Analysis of IMDB movie reviews | Binghamton, NY

- Constructed a model to determine the success rate of the movies (positive or negative) based on the classification of emotions within text reviews on IMDB website using Logistic Regression, Support Vector Machine, and Naïve Bayes
- Preprocessed the dataset by removing HTML tags, Lemmatization, filtering stop words and special characters, and Text Tokenization and Feature extraction using Bag-of-words that uses count-vectorizer to calculate frequency of each word
- Compared the accuracy of classifiers and discovered that Logistic Regression outperformed SVM and Naïve Bayes

Internet Blogging System | Binghamton, NY

- Developed a web application blogging system in nodeJs where users can register themselves, can edit/ update their account information, post or edit articles, and post comments on any article and UI using Logic-Less library called MustacheJS
- Implemented REST APIs using ExpressJS that acts as an interface with the functionality of the backend business logic and helps retrieve or change the data from MongoDB database

Web Spider for Dataset Generation | Binghamton, NY

- Designed and Developed a web spider in python that crawls the website data using a Beautiful Soup library and extracts useful information from HTML tags to help construct a meaningful dataset for the detection of phishing websites
- Integrated whois lookup API and gathered URL metadata such as domain ownership and registration details, IP addresses, ranks, etc. for generating a rich dataset

Blood Bank Portal | IBM, Bangalore, IN

- Developed a web application in Java Servlet and JSP having functionalities of authorizing Donor & Organization, login donor & organization, search donors by blood group, display availability by blood group, and connect the donor and organization
- Designed a highly interactive user-friendly website using HTML5, and Bootstrap3 template and data stored in Oracle 11g database and deployed using Apache Tomcat server 7

For more projects, please visit - <http://bit.ly/ckProjects>

JOURNAL PUBLICATIONS

- Chaitanya Kulkarni "Study of Voice Controlled Personal Assistant Device." *International Journal of Computer Trends and Technology (IJCTT)* V42(1):42-46, Dec 2016. ISSN:2231-2803. [Link](#)