Priyanka Tanpure

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Descriptive, Diagnostic, Predictive, Prescriptive and Cognitive

EDUCATION

Binghamton University, State University of New York, Thomas J. Watson College of Engineering and Applied Science
Master of Science in Computer Science | Cumulative GPA: **3.90/4.00** **Expected Dec 2021**
Coursework: Database Systems, Design Patterns, Programming Systems and Tools, Design and Analysis of Algorithms, Programming Languages, Operating Systems, Computer Organization and Architecture, Machine Learning, Data Mining

Savitribai Phule Pune University, Government College of Engineering Awasari Khurd Ambegaon
Bachelors of Engineering in Computer | Cumulative GPA: **3.50/4.00** **Jun 2012 – Jun 2016**

TECHNICAL SKILLS & ABILITIES

Programming Languages: C, C++, **Core Java**, **SQL**, **Python**, NodeJS, **Oracle/PLSQL** (sequences, triggers, procedures, and functions)
Tools and Technologies: Android Studio, Quality Center, GINGER, SELENIUM, Eclipse, postman, CLion, Git, GNU debugger, Valgrind, Unix Shell Scripting, HTML, JavaScript, Jupyter, Visual Studio, **Power BI**, **Tableau**, **Hadoop** (HDFS, Hive, HBase) familiar
Databases: MySQL, **MongoDB**, Oracle
Machine Learning Techniques and Algorithms: Supervised Learning Algorithms (Decision Tree, Naïve Bayes, Perceptron, Neural Networks, Support Vector Machines (SVM), Logistic Regression, Linear Regression, KNN, Convolutional Neural Network (CNN)), Unsupervised Learning Algorithms (K-means clustering), Time Series Analysis (ARIMA, SARIMA), Natural Language Processing (NLP)
ML Libraries: Scikit-learn, Pandas, NumPy, Matplotlib, PyTorch

ACADEMIC PROJECTS

Crime Information **Dec 2014**
- Designed and developed a web application using JavaScript, HTML and MySQL to get crime information of the required city
- Retrieved crime information and analyzed crime rate in the 4 cities

Blood at One Touch **May 2016**
- Designed and developed an Android and web application with JAVA, Eclipse IDE, J2EE platform, and Android Studio that would help users search for hospitals and blood banks in their nearby vicinity. The app would also notify users about blood donation camps that would be organized, the GPS functionality provides accurate location service
- Developed a blood management information system as web version of application to manage the records of donors and receivers
- Completed a technical paper and presented it to faculty members and industry experts

Student Registration System **Oct 2020**
- Developed an application by using PL/SQL, Java, JDBC and oracle DB to support typical student registration system with interactive and menu-driven interface

COVID19 Tweeter Data and Sentiment Analysis **Nov 2020**
- Analyzed unstructured Covid-19 twitter data (stored in MongoDB) and performed sentiment analysis using NodeJS NLP

Time-series Analysis of E-commerce Data (SARIMA Model) **Feb 2021**
- Analyzed e-commerce data and predicted future sales for 29 days of 100 key products combined and independently

Fake News Detection (CountVectorizer, TfidfVectorizer, Naïve Bayes, SVM, PassiveAggressive classifier, Logistic Regression) **Mar 2021**
- Built models on training dataset with ML algorithms and evaluated using Confusion matrix, Accuracy score, F-score, AUC
- CountVectorizer: Naïve Bayes (93.53%), PassiveAggressive (95.38%), SVM (95.19%), Logistic Regression (95.48%)
- TfidfVectorizer: Naïve Bayes (93.27%), PassiveAggressive (96.27%), SVM (96.06%), Logistic Regression (96.08%)
- Naive Bayes does not give accuracies as good as those obtained from SVM, Logistic Regression and Passive Aggressive Classifiers. Of all the four SVM is a good choice since it tries to maximize the margin and make the model more generalized for unseen data

WORK EXPERIENCE

AMDOCS DEVELOPMENT CENTRE INDIA LLP, Software Test Engineer **Jul 2016 – Jul 2019**
- Handled production issues. Worked in sustainment team for same to recreate, retest production issues, and did regression testing which reduces 80% of chances of code break in production
- Worked in client time zone in Mexico for 1806 release production support. Involved in regression testing and defect identification
- Tested entire module of UAT (User Acceptance Testing) and PRM (Partner Relationship Management). Participated in new functionality design, execution, and defect identification
- Automated the PRM regression testing flow which reduced 40% of manual work
- Spearheaded guiding and rating of voice usages in team and point of contact for the teams with voice usage issues.
- Received the Gold Medal in GINGER (Automation tool) UNIX automation for automating voice usage flow
- Appreciated by clients for providing on-time delivery with zero defects. Received internal appreciation for quality of work. Have been awarded by team manager as the best performer in two production releases