Rohit Chandrashekhar Bapat

Sunnyvale, CA | (812)606-7949 | rbapat@iu.edu
rohitcbapat | github.com/rohitbapat | rohitbapat.github.io | bit.ly/tableauresume

EDUCATION

Indiana University, *Master of Science in Data Science*, Bloomington, IN, United States **May 2020**
Coursework: Machine Learning, Data Retrieval, Social Media Mining, Big Data, Data Visualization, Deep Learning **GPA: 3.75/4.0**

University of Pune, *Bachelor of Engineering in Computer Engineering,* Pune, India **May 2017**
Coursework: Data Mining Techniques, Computer Networks, Database Systems Data Structures and Algorithms **GPA: 3.60/4.0**

WORK EXPERIENCE

Myxx Inc, *Data Science Intern*, Cary, North Carolina, US **May 2019-May 2020**
- Developed Ruby and Python scripts for ingredient mapping and retailer integration.
- Boosted the recipe ingestion success rate from 55% to 85%.
- Implemented a new cosine similarity based Elastic Search scoring technique for ingredient mapping.
- Implemented JavaScript and Python scrapers using Puppeteer and Pyppeteer packages.

TIBCO Software Inc, *Junior Consultant- Business Process Management,* Pune, India **Jul 2017-Jul 2018**
- Designed and modeled the business processes for client in telecom domain and interfaced TIBCO products with external third party resources.
- Successfully deployed a TIBCO BPM Instance on AWS EC2 with Jenkins scheduled jobs for client demos.
- Used Spotfire- TIBCO Analytic Tool to determine time required for process execution and staged reports.

Persistent Systems Pvt Ltd, *Project Intern*, Pune, India **Jun 2016-Jun 2017**
- Developed a business intelligence based solution to provide the retail store chain with analytics based on customer footfalls, inventory management, and sales trends by generating role specific PDF reports.
- Implemented ETL phases using Talend ETL, TIBCO JasperReports, JasperServer.

TECHNICAL SKILLS

- **Programming Languages:** Python, JAVA, R, JavaScript, C++.
- **Applications:** Apache Storm, Tableau, MS-Excel, Apache Spark, GIT, Jenkins, Puppeteer, ElasticSearch, Google Colab, Gephi.
- **Frameworks:** Python Flask, Django, Pandas, NumPy, sklearn, matplotlib, seaborn, tensorflow, bokeh.
- **Databases:** SQL, MySQL, MongoDB, Apache Cassandra.
- **Machine Learning:** KNN, Adaboost, Random Forests, SVM, K–Means, Logistic Regression, Light GBM, XGBoost, Time Series.

PROJECTS

Digi Smart PMPML- Transportation Inventory System *Android | MySQL | Visual Studio* **Aug 2015**
- Developed a portable bar code based inventory recording system using Android application with Zxing libraries.
- Proposed a RFID based system for inventory spare part locater with MySQL database and Windows Application.
- Won a Runner's up award for 48 hour hackathon organized by Persistent Systems.

NES Innovation Awards- Dr. T.B. *Android | MySQL* **Aug 2016**
- Developed a tuberculosis awareness and patient support Android application with a cough detection feature using accelerometer.
- Won an award at NES Innovation Awards 2016 competing with 55 other participating teams.

Telecom Service Management *TIBCO BusinessWorks | PHP | JMS | HTML | MySQL | TIBCO AMX BPM* **Jul 2017**
- Developed business processes for client onboarding, complaint registration and upgradable subscriptions.
- Implemented user end pages in HTML5 and handled organization's end through TIBCO AMX BPM.
- Only team out of 20 to integrate a PayPal sandbox payment gateway including API based user plan renewal with email notifications.

DonorsChoose.org Application Screening *Pandas | Python | sklearn | matplotlib* **Nov 2018**
- Predicted application decision of DonorsChoose.org application dataset via Kaggle competition.
- Used scikit-learn models of Light GBM (AUC 0.766) and K-Means for prediction and essay review.

IndyCar - Performance Analysis of Anomaly Detection Application *Apache Storm | Tableau | Python* **May 2019**
- Successfully deployed a Storm topology using yaml files, Apache MQTT pub-sub broker, Zookeeper to analyze IndyCar race data.
- Used Apache Storm for streaming analysis and Tableau for visualizations and insights.

Yelp Dataset Challenge *Lucene | Python Flask | Pandas | MongoDB* **May 2019**
- Predicted the cuisine data of restaurants and evaluated results using TRECEVAL (Precision: 0.79, Mean Reciprocal Rank: 0.85).
- Deployed a restaurant recommendation system on Python Flask with a shareable URL.