

Vinu Prasad Bhambore

vpb2.illinois@gmail.com | (+1)217-721-9527 | <https://www.linkedin.com/in/vinubhambore/> | GitHub: vpb2

EDUCATION

University of Illinois at Urbana-Champaign, Illinois, USA **Aug 2018 - May 2020**

MS in Information Management (**GPA: 3.92/4**)

Coursework: Methods for Data Science, Data Analysis & Statistical Models, Programming for Analytics & Data Processing, Data Visualization, Theory and practice of Data cleaning, Data Storytelling, Practical Health Data Analytics

Sri Jayachamarajendra College of Engineering, Mysuru, India **Aug 2011 - May 2015**

BE in Computer Science and Engineering (**GPA: 3.82/4**)

SKILLS & CERTIFICATIONS

Programming Languages: R, Python (Scikit-learn, Pandas, Numpy, Statsmodels, Keras, TensorFlow, PySpark, Dask), JavaScript

Visualization Tools: Tableau, Power BI, Matplotlib, Ggplot, Seaborn, Plotly, Bokeh, ipywidgets, ArcGIS

Databases: MySQL, Google Firestore, MongoDB, PostgreSQL, Hive, SQLite, Cloudbant

Others: Apache Spark, Google Cloud Platform, GitHub, Jupyter notebook, Bitbucket, VBA, Linux, OpenRefine, MS Excel, Jira, Zendesk, Confluence, Microsoft Azure, Sprinklr, Agile software development, Databricks

Certifications: Building and Deploying Deep Learning Applications with TensorFlow, Analyzing Big Data with Hive, Apache Spark Essential Training, Building Deep Learning Applications with Keras 2.0, Statistics Foundations: 1 & 2

PROFESSIONAL EXPERIENCE

Computer and Data Scientist, Hawaii Integrated Analytics, USA **Oct 2020 - Present**

- Spearheaded technical work in an Educational impact evaluation project about COVID-19 funded by NIH, in collaboration with University of Hawaii (www.paac.info)
- Executed building a data collection platform (React+Js), building & hosting a cloud based database(Google Firebase), and the exploratory analysis(python)
- Engineered a HIPAA compliant MySQL database on a RHEL VPS at the University of Hawaii for storing PHI data
- Responsibilities also included studying and describing the infrastructure required for optimal pulling, pushing, transformation, and loading of data from a wide variety of data sources
- Lead Data Processing and assembling large, complex data sets that meet functional and nonfunctional requirements
- Designed various dashboards for the executive team at HIA including Analytical dashboards, Executive reporting dashboards and Projects status dashboards using Tableau

Data Scientist, Internship, Motorola Solutions, USA **Feb 2020 - May 2020**

- Formulated python scripts to automate extraction of stateful information from event logs of Land Mobile Radios (ATIA data)
- Implemented a PostgreSQL database to store extracted data & developed queries to fetch call activity analytics
- Generated interactive visualization dashboards using Bokeh and ipywidgets for anomaly detection and trend analysis
- Devised Time-Series forecasting models to flag anomalies and predict future call activity to optimize resource allocation with 95% accuracy

Graduate Research Assistant, National Center for Supercomputing Applications, USA **May 2019 - May 2020**

- Developed supervised and unsupervised Machine Learning models for Research Projects sponsored by the National Science Foundation and University of Illinois
- Performed data validation, exploratory data analysis & built supervised models for predicting West Nile Virus incidence supervised by CDC
- Implemented python scripts for web scraping, data collection, data cleaning and Hyperparameter tuning to optimize the accuracy and loss in the training procedure
- Created a SQL database to host the genome data for variant mining and designed visualization dashboards using Tableau for Mayo Clinic's Grand Challenge 2019
- Programmed scripts for benchmarking of genome variant calling software on a high-performance computing cluster
- Produced and maintained documentation for modeling codes, contributed material to manuscript and grant preparation

Graduate Research Assistant, Carl R. Woese Institute for Genomic Biology, USA **Mar 2019 - May 2019**

- Performed data analysis for stomata count in corn leaf slides data set and recognized outliers and anomalies
- Identified and interpreted patterns of stomata in different genotypes helping identify drought resistant corn strains

Senior Product Support Engineer, Sprinklr, India **Jul 2015 - Jul 2018**

- Responsibilities included manipulation and extraction of data from SQL and MongoDB servers for troubleshooting
- Interpreted and resolved technical issues in advertising APIs by duplicating errors and raising bugs
- Managed service interruptions and known issues, keeping customers up to date at all times on incident progress, including coordinating a response, escalation, tracking, and analysis of incidents devising RCA
- Oversaw product stability with testing phases by conducting UAT and worked with the Product Management team on identifying scope for improvements and feature additions
- Took ownership of customer tickets and provided resolution within SLAs along with identifying escalated urgent issues, tracking and reporting on trends and thereby ensuring the platform to function normally
- Updated and managed technical documentation outlining process and procedures for both internal and client usage.