

Rahul Pande

github.com/rahul-pande | linkedin.com/in/pande-rahul | rahulpande.me

✉ rspande@wpi.edu

☎ +1-508-333-9986

OBJECTIVE

Seeking internship opportunities for summer of 2019 in the field of Data Science with focus in Machine Learning and Deep Learning

PROGRAMMING SKILLS

Languages: Python, R, SQL, Java

Technologies: Postgres, Tableau, D3, Apache Airflow, AWS

EDUCATION

- **Worcester Polytechnic Institute (WPI)** Worcester, MA
Master of Science in Data Science GPA: 4.0/4.0 May 2020
- **Vishwakarma Institute of Technology (VIT, Pune)** Pune, India
Bachelor of Technology in Electronics and Telecommunications GPA: 8.59/10 May 2015

EXPERIENCE

- **Lab Assistant at Academic and Research Computing** Worcester, MA
WPI August 2018 - Current
Develop new features for the Northeast Cyberteam website (necyberteams.org) to improve its ease of use.
- **Senior Product Analyst** Pune, India
Vuclip India Pvt. Ltd. April 2016 - June 2018
Set up analytic processes and frameworks, and helped improve user engagement on the platform through effective use of machine learning.
 - **Complaints Prediction:** Developed a *Random Forest* model to predict if a user will complain (recall > 0.7 for positive class). Decreased complaints from 11% to 7% without significant loss in revenue.
 - **Content Recommendation:** Formed user clusters (k-prototype) based on the type and amount of content consumption and then recommended content based on collaborative filtering.
 - **Analytics:** Holistic content performance analytics related to Original Series at Vuclip. Mining market data to gain insights about content using *Scrapy* and *NLTK*.
 - **Data Engineering:** Authored numerous *Apache Airflow* data pipelines to replace cron scripts which significantly reduced database locks, failures and execution time. Improved workload management on multiple servers.
- **Business Analyst** Mumbai, India
TinyOwl Pvt. Ltd. June 2015 - March 2016
Developed and implemented improved marketing strategies with predictive analytics. Automated report dashboards and revamped data orchestration.
 - **User Retention Model:** Developed a *Logistic Regression* model to predict the probability of a user ordering again (f1 > 0.8). Performed unsupervised clustering of users (k-prototype) on the basis of various features to identify the underlying user sets and their behaviour.
 - **Data Engineering:** *Flask* web interface to upload CSVs and sync Google Sheets with a remote database.
 - **Reporting Framework:** Created multiple automated dashboards (Cohort analysis, measurement of KPIs, Order Bucket Movement) to measure the efficacy of different offers/campaigns run by TinyOwl for acquisition/retention.

PROJECTS

- **Android Development** (Personal | 2013): Developed the official Android Application for VIT, Pune. Second rank in on-spot android app development competition.
- **Website Insights** (Vuclip | 2017): Get insights on a web forum using Scrapy, NLTK and D3.
- **Bigmart Sales Prediction** (WPI | December 2018): Predicting sales of items in different stores of retail chain Big Mart as a part of Statistical Learning course at WPI.
- **Blind Source Separation**, (WPI | December 2018): Separating mixed audio signals using Non-negative Matrix Factorization (NMF).