# Sachin Bhopi
**Data Engineer**

## Get in touch!

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⦿ github.com/b-sachin

## Skills

**Languages**
R | Python | Java | C | SQL | Markdown | HTML | Latex

**Tools & Technology**
RStudio | Tableau | SQL Server | Adv. Excel | Anaconda | Jupyter | Git & GitHub | Google Analytics | WordPress | Matlab

**Technical Skills**
Data Collection | Data Cleaning | Data Mining | Data Analysis | Visualization | Machine Learning | Data Structure & Algorithm

**Libraries**
dplyr | tidyr | ggplot2 | Pandas | Numpy | Matplotlib

## Awards/Certificates

- **Specialization: 'Data Science: Foundations using R'**
  **Johns Hopkins University through Coursera | 2020-2021**
  1. The Data Scientist's Toolbox
  2. R Programming
  3. Getting and Cleaning Data
  4. Exploratory Data Analysis
  5. Reproducible Research
- **Python for Data Science Certification | NPTEL | 2020**
- **Programming in Java Certification | NPTEL | 2019**
  - 1% Topper in 53813 enrollment

## Trainer/Speaker

- Trained 30+ Learners in R
- Trained 70+ Learners in Java
- Trained 100+ Learners in Excel

## Summary

Experienced individual with strong analysis & research skills along with a Master's degree in IT. Coming with 6+ years of teaching & research experience along with the ability to perform data collection, data cleaning, data analysis and visualization in a varied data environment & having an adept understanding of R, Python, Tableau, SQL & Adv. Excel

## Projects/Publications

### Top Storm Event Index
**Skills: R, RStudio, GitHub**        **Individual Project | May 2021**
- Data Analysis to identify which type of extreme weather events are most harmful to population health as well as economy.
- The major tasks performed in this project are **Data Collection, Data Cleaning & Preprocessing, Data Analysis, and Result Visualization.**
- https://rpubs.com/b_sachin

### Profitable Customers Credit Card Approval Predictive Model
**Skills: ML & Adv. Excel**        **Individual Project | September 2021**
- Binary classification model to increase profit of bank by providing credit card to profitable customer with 83.94% AUC and 14.64% incremental financial value per applicant over no model.
- Tools & Techniques: **Excel, Liner Regression, Binary Classification**
- https://github.com/b-sachin/Data-Science-Projects

### Analyzing FDI distribution in Sectors of India
**Skills: Tableau & Excel**        **Individual Project | October 2021**
- FDI Analysis through dynamic dashboard showing Foreign Direct Investment over 16 years across various sectors in India.
- https://public.tableau.com/app/profile/sachin.bhopi

### Naybhadra Healthcare
**Skills: Google Analytics**        **Freelance Project | May 2019 - April 2020**
- Developed Website: https://naybhadrahealthcare.com/
- Designed logo for the brand name 'EarthAyu'
- Tools & Techniques: Web Analytics, Wordpress CMS, SEO, Canva

### Binary key based permutation for medical image encryption
**Skills: Matlab & Image Processing**        **IEEE Publication | August 2016**
- https://ieeexplore.ieee.org/author/37085798899

## Work Experience

### Asst. Professor & Asst. Training and Placement Officer
**RAIT, Dr. D. Y. Patil University | January 2017 - Present**
- Taught R Programming, Java Programming, Data Mining and Business Intelligence, Digital Business Management, etc.
- Responsibilities: Placement Training & Placement drive conduction, Academic Project Mentoring, Result Analysis, and so on.

### Data Analyst - Internship
**Shreekrupa Stone Crushing Co. | May 2016 - December 2016**
- Developed **Excel VBA** Product for daily, monthly & yearly Reporting, Analytics, and Visualization dashboard.

## Academic History

**M.E. in IT | University of Mumbai**
**2013-2016 | 8 CGPI**

**B.E. in IT | University of Mumbai**
**2010-2013 | 64.13 %**