

RISHAV RAJ AGARWAL

rishavraj.agarwal@gmail.com
http://www.rishavrajagarwal.com
(+91) 9621 352233

EDUCATION

Indian Institute of technology (IIT), Kanpur

2012-2016

Bachelor of Science in Economics

CPI: 7.7/10 with a **Minor** in Artificial Intelligence

Academic Mentor: Mentored three freshmen for ESC101A (Fundamentals of Computing) at IIT Kanpur and aided in grade improvement.

Relevant Coursework: Data structures and Algorithms, Econometrics; Machine Learning Techniques; Artificial Intelligence Programming; Probabilistic Machine Learning; Quantitative statistics using R; Intro to Cognitive Sciences

WORK EXPERIENCE

EXL Analytics (Inductis)

Sept'16-Present

Consultant-II

Gurgaon, India

- Co-created end-to-end **HR analytics and visualization app** which collates, checks data integrity and generates relevant reports. | **VBA**
- Implemented ML based predictive** models for profitable mailing campaigns for a product portfolio worth USD 0.75M | **R SQL**
- Web analytics and identifying KPI using Adobe Marketing cloud to generate reports and create interactive dashboards | **Omniure SQL**
- Developed python based apis to assist and expedite the ETL process by leveraging RESTful api and pandas. | **AWS PySpark Python**
- Designed and conducted** a training session on Kaggle competitions which was attended by over 200 employees and mentored interns.

Multimedia and Networking Lab, Academia Sinica

May'16-Jul'16

Visiting Scholar

Taipei, Taiwan

- Predicted the **propensity to pay bills** on time using credit card transactions and phone logs collected from over 60,000 individuals. | **R**
- Devised metrics** to collectively predict future financial trouble using pervious months from data collected over two years. | **Python**

School of Communication and Information, Rutgers University

May'15-Jul'15

Research Intern

NJ, USA

- Analyzed **cooperation** trends using **spatio- temporal mobility data** and **survey data** from the **Rutgers Wellbeing Study**. | **R, WEKA**
- Co-authored** paper (accepted Ubicomp'16) and coined **Phoneotypes**, a set of characteristics observable via mobile phone.

SELECTED PROJECTS

Hubness in Music Recommender Systems

Jan'16-Apr'16

- Implemented several scaling and dimensionality reduction techniques to reduce hubs and predict music using **KNN** | **MATLAB**
- Created a music recommender system on the **Million Song Dataset** achieving 99% new recommendations; and presented a **poster**.

Forecast Use Of A City Bike Share System

Jan'15-Apr'15

- Used data from Capital Bikeshare program to analyze and **predict** bike sharing demand using several ML techniques. | **Python**
- Achieved a closing international rank of **593 out of 3252** teams on KAGGLE, a predictive modelling platform.

ENTREPRENEURSHIP

Objectify Technologies <www.MyObjectify.com>

Dec'13-Apr'15

- Created a **Business Plan** for the idea which was among the **ten best startups** at DisruptIt, IIM Bangalore.
- Developed 3D rendering app** that displays 3D files on the browser and integrated it to the e-commerce website.
- Represented the company at Mumbai Films and Comics Convention (MFCC'14).

AWARDS AND HONOURS

- Won a spot at the 5th Mega Heritage Photo Exhibition, a pan-India Photography competition out of 1000 entries. 2017
- Winner, **Blog for a Cause** (a nationwide social blogging contest), Techkriti'14. 2014
- Winner **pitch-ur-product** competition in the Entrepreneurship Fest, Esummit'13, IIT Kanpur. 2013
- Secured All India Percentile of **99.3% among 479,651** candidates in IIT-Joint Entrance Exam (IIT-JEE) 2012
- Awarded for **outstanding scholastic achievement** by Ladnu Nagrik Parishad with a cash prize. 2012

SKILLS

Programming Languages: Python | R | SQL | VBA

Analytics Tools: WEKA | Adobe Marketing Cloud | MS Excel | Tableau

Languages Know: English | Hindi | Bengali

INTERESTS

Quizzing: Overall Coordinated of the Quiz Club at IIT Kanpur, won several intra-inter college quizzing events.

Open Source: **ECHO** (An educational app to learn and master pronunciations) | **Moody!** (App that analyses a user's and suggests music)

Volunteering: Taught 5th grade mathematics at an NGO for underprivileged children 3 times a week.