ACHYUT JOSHI

EDUCATION

IIT JODHPUR
B.Tech in Systems Science
Expected May 2017
Cum. GPA : 7.57 (Till 6th sem)

VIDYANI VIDYALAYA
Grad. May 2013 | Vadodara, India
Class 12 : 89.3%
Class 10 : 92.2%

COURSEWORK

UNDERGRADUATE

Data Structures & Algorithms
Algorithm Design & Analysis
Operating Systems
Compiler Design
Object-Oriented Analysis & Design
Financial Engineering
OR Optimization
Systems Thinking & Modelling
Socio-Economic Networks
*Dynamical Systems

ONLINE

Machine Learning
*Functional Programming in Scala

* Ongoing course

SKILLS

GENERAL PROGRAMMING

PYTHON	PHP
C / C++	SCALA

SCIENTIFIC COMPUTING

R	OCTAVE
MATLAB	EXCEL

DEVELOPMENT TOOLS

GIT	AZURE
JEKYLL	VISUAL STUDIO

LINKS

Website : achyutjoshi.github.io
Twitter : achyutjosh1995
Linkedin : achyutjoshi

Last Updated on 12th Sept '16

EXPERIENCE

ACCENTURE | SUMMER DATA ANALYST
May '16 – July '16 | Bangalore, India
- Worked with the Operations Analytics team to build a **framework for large scale forecasting**
- Implemented various **machine learning models in R** like random forests & knn classifier to target classification and predictive problems
- Worked intensively on **time series forecasting** using methods like bayesian structural time series, arima and neural networks
- Studied various **queueing models** & its application in waiting time analysis & supply chain optimization

STARTIFY | CO-FOUNDER
March '15 – July '16 | Jodhpur, India
- Startify is a self sustaining **online incubation platform** with the benefits of open innovation to help budding entrepreneurs build on ideas.
- Ideated, scaled-up & designed the wireframe of the websiteHandled the **legal coordination and negotiations** when partnering with Eureka!, the biggest Business Plan competition of Asia
- Analysed and implemented various **revenue streams** and pioneered the startup to break-even in the first six months of its operation
- In July '16, Startify got **acquired** by The Wired Hub, one of the biggest incubators of Rajasthan, in a cash plus stock deal

PROJECTS

FLIGHT PRICES PREDICTION | B.TECH PROJECT
Jan '16 - ongoing
- Built an automated flight price **data collection script** on Python using an open source API and selected feature variables after analyzing historical data
- **Preparing the collected data** on certain assumptions & **self curated rules** for solving the problem statement
- Building various **predictive and classification models** to suggest whether the prices will drop or rise in future

FRIENDSHIP NETWORK ANALYSIS | COURSE PROJECT
Jan'16 – April'16
- Designed the survey to study the friendship network at IIT Jodhpur
- **Network analysis in R** to study the **clustering** based on various parameters and studied various centrality measures & important nodes in the network

HOSTEL MANAGEMENT SYSTEM | COURSE PROJECT
Jan '16 – April '16
- Developed and designed a hostel management system in Django Framework based on the SRS document and documented the different versions of the software along with designing **UML diagrams** & **database architecture**

UNITED NATIONS MDG INDICATORS PREDICTION | ONLINE COMPETITION
Aug '16 – Sept '16
- Predicted the change in various Millennium Development Goal indicators, one year and five years into the future and ranked among **top 8% of participants**
- Build a **hybrid model** using exponential time series & simple linear regression to predict various time series and handled large amount of null value points

POSITION OF RESPONSIBILTIES

July '14 – May'16	**Entrepreneurship Cell**	*Student Head & Founder*
July '16 – present	**Counselling Service**	*Student Head*
July '14 – May '15	**Photography Club**	Coordinator

ACHIVEMENTS

- Part of 50 member Indian Delegation to **Harvard Project for Asian & International Relations** Asia(HPAIR) Conference held in Manila
- Won the **gold medal** for Table Tennis in the 50th Inter IIT Sports Meet
- Stood first in **Microsoft Hackathon**(Code.Fun.Do) – IIT Jodhpur
- Guest Publication in Condé Nast Traveler India Edition (October'15 edition)