

Aishwarya Mali

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Education

Bachelor of Engineering (Computer Science) 2012-2016

Pune Institute of Computer Technology (PICT)

First Class with Distinction

Spanish 2014-2015

Clic Institute Sevilla, Spain and Instituto Hispania

First Class with Distinction

HSC (Electronics) 2010-2012

Marathwada-Mitra Mandal

First Class with Distinction

Experience

Project Intern – National Chemical Laboratory Oct 2016-June-2017

Worked in the field of computational biology. Designed a K-means Clustering for categorical Data (DNA sequences) with a **probabilistic algorithm** designed from paper **published in Oxford Journals** PMID:PMC4227772 and made it faster using Numpy and matrix multiplication. Performed many checks by adding noise linearly and spatially, selecting relevant features to boost performance, also **worked on multiple Intel –Xeon E5 processors on R-cluster.**

Project Intern - Mindshare Business Consulting June 2015-June 2016

Implemented Market Basket Analysis web-app for Sales management on SAP Fiori, Apriori. Association rule mining in ABAP programming, Odata connections front-end in JS and HTML5

Datascience Portfolio

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- **Sentiment Analysis** of Tweets scrapped from Twitter for USA primaries election using Textblob Library
 - Applied **Clustering and regression techniques** to predict Board game Reviews
 - Applied **Decision Trees and Random Forests** to predict bike rentals in the Washington Dc Area
 - Performed Statistical Analysis on Movie Reviews made available by fivethirtyeight
 - Analyzed dataset of Police killings in USA in 2015 plotted insights with **Choloropleth map using Basemap library**
 - **Parallization of Apply() function of Pandas** for Airplanes Accidents dataset of 77k records using Pool from Multiprocessing Module
 - Star wars survey **Data Exploration** visualized with **Seaborn**

Android programming: Hospital Management System September 2014

Prototype created with MySQL and JSP then created Android App using Sqlite

Certifications

Deep Learning Specialization, Neural Networks and Deep Learning by Andrew Ng
Machine Learning by Andrew Ng

Nov 2017

Publications

IJDMTA(IIR) Sales Management Using Apiori Algorithm on SAP fiori, ISSN:2278-2419

June 2016

Skills

Python, MySQL, SQLite, JSP, Mongo dB, HTML, CSS, JS, C, Matlab/Octave, R
Software: **Anaconda, Jupyter Notebook, R Cluster, Unix Qt C++,** Adobe Photoshop,
CorelDraw

Volunteer Experiences and Extra-Curriculars

Datameet 2017

Taught data analysis concepts in R to other volunteers working on open data in the social sector

Sathi Hath Badana (SHB) 2016

Smart Phone Assistance for Senior citizens

Writing 2014-2015

Senior Editor at IEEE P.I.N.G, (PISB) Student Chapter

Public Speaking: Model United Nations (MUN) 2013-2015

Students present the foreign policy of the nations they represent to discuss a previously decided agenda and aim to pass draft resolutions, following the procedures of UN

Represented subsequent countries at following Committees

RIIMUN, Pune Dec '13 - China at UNHRC (LGBT Rights and Freedom of Speech)

MMUN, Mumbai Mar'14 - Oman at EOSOC (Euro Financial Crisis)

CODMUN, Hyderabad Sep'14 - Canada at UNHRC (Battling Terrorism in Middle East)

Munsophical, Mumbai Dec'14 - Iceland at SPECPOL (Crimea Crisis and ISIS threat)

RIIMUN, Pune Feb'15 - Canada at UNHRC (Syrian Crisis)

Lets make a Difference (LMAD) 2013

Volunteered at Youth Empowerment Conference, Baramati

IOEL English Olympiad - Third Runner-up 2009