

Anas Jafry K K

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EDUCATION

- **Indian Institute of Technology, Madras** Chennai
Dual Degree in Biological Engineering CGPA: 7.02 *July 2013 – May 2018*
- **Devagiri CMI Public School, Calicut** Kerala
Class XII (CBSE); Score: 90.6% *June 2011 – Mar. 2013*

EXPERIENCE

- **Tiger Analytics** Chennai
Senior Data Analyst *Aug. 2018 - Present*
 - **Modelling Team:** Commercial real estate pricing- identified and quantified key pricing drivers for each individual market. Created a **price elasticity model** to estimate likelihood of conversion at different price points
 - **Pricing Power App:** Designed a web tool in RShiny for leasing team to curate the competitor comparable properties and adjust the price elasticity curves accordingly
 - **Self Automation:** Developed a tool in R to refresh models quickly to optimize the turnaround time for model refresh. Formulated modules to automate data preparation, feature engineering, modelling and validation.
 - **Research on Rent Growth:** Predicted rent growth rate by applying statistical methodologies on available data sources. Determined the drivers for the gap between forecasted and actual rent growth rates using **Bayesian** approach
- **Accelerate** Chennai
Full Stack Developer *Aug. 2016 - July 2017*
 - **Online Orders:** Designed the architecture of starter application for the restaurants to take online orders
 - **Cloud POS:** Developed the core backend for cloud based POS and ERP software in PHP. Integrated multiple payment gateways and third party tools.
 - **Development:** Developed desktop and mobile applications and dashboards using AngularJS, Ionic and Electron. Created tools for fraud order detection, sales analytics and customer history based recommendation.
 - **Mentoring:** Responsible for giving technical guidance and code review to the junior team members
- **Appnomic Systems** Bangalore
Data Science Intern *Summer 2016*
 - **Research Work:** Implemented and benchmarked an in-house solution in Python to detect anomalies in net banking using Birch Clustering
 - **Analytics Dashboard:** Developed a dashboard in Django Framework and REST APIs communicating the core solution to display the results
- **Computational Lab, IIT Madras**
Research Project under the guidance of Prof. Dr. V S Chakravarthy *Dec. 2017 - May 2018*
 - **Thesis:** Reconstructed brain EEG signals using **adaptive Hopf oscillators** and implemented neural filters to filter out different brain wave frequencies.

PROJECTS

- **CBCS, University of Allahabad:** Studied the inter subject correlation during naturalistic movie screen processing using Restricted Boltzmanns Machine
- **Students Dashboard:** Conceptualized and created application for Schools for enhancing the Teacher Parent communication. Implemented academic performance analyzer, scholar leaderboard and workflow for leave application, fee payment and students assignments
- **Insti Shop:** Designed and developed an e-Commerce web application for online orders and a dashboard for inventory management. Integrated Google Analytics and Mixpanel for sales growth analysis
- **Tensors:** Headed the web operations of Tensors, the mock JEE test conducted by the Students of IIT Madras. Created online portal (www.tensors.in) for registration and results publication

PROGRAMMING SKILLS

- **Languages :** R, Python, C, C++, PHP, JavaScript, NodeJS, AngularJS, SQL, HTML, CSS
- **Technologies :** RShiny, Django, Matlab, WEKA, Electron, Ionic, MySQL, CouchDB, MongoDB