

Alisha Basha

Contact

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Mumbai, India

Objective

I aspire to explore the various facets of analytics in a cross-sectoral role while applying my actuarial skills. Academically, I am a Chemical Engineer with specialization in safety and risk management; and presently pursuing actuarial science. I am open to challenging opportunities with meaningful learning outcomes, while I apply my skills for an effective value creation for the organization.

Experience

M&G Global Services Private Limited

November 2022 – Present

Actuarial Analyst

- ✓ Responsible for calibration and validation of internal capital models for With-Profit business;
- ✓ Assisted in quarterly reporting deliverables.
- ✓ Identifying opportunities for cross-team process enhancements and standardization of regular deliverables in order to simplify the core reporting processes;
- ✓ Awarded Star of Month in October for handling Q3 2023 reporting deliverables single-handedly

EOX Vantage

January 2022 – Present

Actuarial Analytics Associate

- ✓ **Project 1** - Risk scoring model for a major US based specialty trucking insurer
 - Developed a risk scoring model for a portfolio of trucking companies, to aid underwriters in better decision making
 - Automated the entire process from data wrangling, computation of risk indicators and risk scores, to developing analytical graphs, using python code
 - Published the analysis through a dashboard, using company's proprietary data visualization tools
 - Validated the relevance of computed risk indicators against the actual frequency/severity of claims
 - Developing a risk weighting mechanism for relevant indicators using various sklearn models
 - Documentation and reporting of analysis
 - Responsible for overall management of the project tasks, deadlines, client presentation and coordination with other business verticals
- ✓ **Project 2** - Designing insurance solutions for Advanced Driver Assistance Systems (ADAS) provider
 - Performed market research on Indian Personal Auto Insurance industry
 - Studied rating models of leading telematics-based insurance providers in U.S
 - Built a list of possible parameters to be derived from the incoming data, with the objective of developing a risk scoring model for insurance providers.
 - Reviewed a ROI model for a potential collaboration between ADAS provider and insurer
 - Developed dashboards for insurer and policyholder leveraging Power Bi tools

EOX Vantage

June 2021 – December 2021

Actuarial Intern

- ✓ Worked on pricing across different lines of business for an MGA in the U.S insurance market;
- ✓ Studied the pricing and reserving techniques for property and casualty insurance companies;
- ✓ Researched on how telematics data is being used in Usage Based Insurance (UBI) for vehicles;
- ✓ Trained to perform Exploratory Data Analysis using Python, on various data sets for improvising underwriting models

Career Break

2016 – 2020

For personal and maternity reasons

Frost & Sullivan

January 2015 – September 2015

Research Analyst - Chemicals, Materials & Food

- ✓ Researched through secondary sources, analyzed industry trends and data, and generated insights basis primary and secondary research;

- ✓ Produced high quality market research content on the markets, including market size forecasts, competitive (market share) information;
- ✓ Generated spread sheet reports and/or presentations from available data, when required

Published Report: Analysis of the North American Gas Detection Market

Qatar Science & Technology Park

November 2012 – March 2013

Innovation Analyst – Technology, Innovation and Entrepreneurship Programme (TIEP)

- ✓ Researched on the published literature to identify, quantify, validate market and technical opportunities for a particular invention;
- ✓ Located specialist reference material, collect statistical data, and summarize findings;
- ✓ Prepared reports detailing the findings and analysis of the research results in various formats;
- ✓ Assisted in identifying providers of propriety information systems (e.g. international patent agents, market research companies, etc) in order to deliver the required professional research services;
- ✓ Developed business plan and implementation strategy;

UOP, A Honeywell Company, Des Plaines, Illinois, USA

August 2011 – September 2011

Intern

- ✓ Understood the UOP FCC process and used tools such as expert systems and training simulators;
- ✓ Developed prototype decision tree for troubleshooting exercises using the FCC training simulator;

Academic Qualification

2020 to Present	Actuarial Science, Institute of Actuaries of India Completed: CB3- Business Management (June2020) CS1- Actuarial Statistics (Nov2020) CB1- Business Finance (Mar2021) Prepared: CS2- Risk Modelling and Survival Analysis CAS Exam 5- Basic Techniques for Ratemaking and Estimating Claim Liabilities
2012 to 2014	Master of Science (M.S) in Chemical Engineering (May 2014) Texas A&M University at Qatar Cum GPA: 3.760 (out of 4.00)
2008 to 2012	Bachelor of Science in Chemical Engineering (May 2012) Texas A&M University at Qatar Cum GPA: 3.408 (out of 4.00)

Skills

Pursuing course on Data Science & Machine Learning from INTTRVU.ai

Python (Certified from DataCamp)

Power BI

R Software(Beginner)

MS Office

Awards

Itochu Graduate Fellowship sponsored by Itochu Corporation, Japan, 2013-2014

Distinguished Student List, Spring 2009

Dean's List, Fall 2008

Reference

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