

SHOYEB KHAN

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**ACADEMIC DETAILS**

YEAR	DEGREE	SPECIALIZATION	COLLEGE	%
2021-2023	MBA	Business Analytics	BITS Pilani	95.4
2014-18	B. E.	Electronics And Communication Engineering	Ramaiah Institute Of Technology, Bengaluru,India	83
2013	XII	PCM	Kendriya Vidyalaya,Yelahanka,Bengaluru	92.4
2011	X	Science	Kendriya Vidyalaya Yelahanka,Bengaluru	93.1

TECHNICAL PROFICIENCY AND CERTIFICATIONS

Technical Proficiency : Tableau, Power BI, Python, R, Matlab, Machine Learning/Deep Learning, Algorithm design, Adobe Analytics.
Course Work (MBA BA) : Programming for Analytics(R/Python), Database Management(SQL), Statistics, Financial Accounting, Marketing, Managerial Economics, Data Visualization,Time Series And Analysis, Predictive Analytics, Big Data(Data Bricks).

WORK EXPERIENCE

- Vodafone Idea Limited, Mumbai, India** (July,2023- Feb,2024)
Management Trainee (Digital Transformation-Analytics/BI)
 - Received a PPO based on the summer internship project on Tableau implementation and adoption strategy.
 - Led automation & innovation efforts in business insights & reporting , resulting in a 97 % reduction in time and effort .
 - Monitored progress/trends against KPIs & share relevant observations to support business appropriate decision making.
 - Created, maintained, and enhanced upon Adobe Workspace dashboards. Integration and optimization of best practices with Analytics,Target and Personalization .
 - Collaborated with product managers & relevant stakeholders from other functions e.g. finance, sales, network etc.
- IIPM Lab, IFM, University of Cambridge, UK** (March, 2023 - Dec 2023)
Research Collaborator
 - Inspired by the 'IP for Sustainability' course by IISc Bengaluru and the University of Cambridge,UK, I decided to collaborate with the lab, supported by a Going Global Partnerships Collaboration Grant from the British Council.
 - Developed a systematic methodology for data collection and data analysis with respect to patent applications data sources.
 - Identified descriptive statistics methods that could help generate insights with respect to key technologies in India.
 - This research discovered that the annual count of patent applications has gone up by avg. of 85 % after the policy introduction.
- Critical River Technologies, Bengaluru, India** (July, 2022 - Nov, 2022)
AI/ML DevSecOps Intern
 - Worked on developing and testing scalable AI/ML models for the cloud-based platform (Google Cloud Platform).
 - Designed time series models for automated predictive insights about CPU utilization, Disk read/write byte and Network sent/receive byte counts.
 - Delivered analysis on data patterns and irregularities, suggesting solutions in 70% of the cases to enhance the performance of the business/platform by 30%.
- Collins Aerospace, Bengaluru, India** (Aug, 2018 - July, 2020)
Engineer
 - Worked on design projects of commercial business aircrafts involving FPGA/ASIC Designs.
 - Prepare the specific test plan for the project to make sure the product performance meets the specification by 99%.
 - Experience in writing technical documentation, including Requirement/Design/Test Specifications/Test Plans.
 - Worked on designs of communication protocols such as CAN,ARINC and SPI.
 - Implemented specification, design, verification and timing-closure.

PROJECTS

- Customer Churn Prediction Model** : This project was part of BCG Virtual internship program and involved building a customer churn prediction model with an accuracy of 90%. The steps involved in model development are : business understanding and problem framing, exploratory data analytics & data cleaning, feature engineering, modeling & evaluation, insights and recommendation. (Python)
- Study on Consumer Behaviour and Satisfaction Level** : This is a course based project where the aim is to analyze the consumer behaviour on the webpages of the company's website. The effect on revenue from the flow of the customer from one page to another page and the relative duration spent on each page is analyzed along with various hypothesis testing . The final step is to perform training and testing on various machine learning models and compare the corresponding Area Under the Curve (AUC). (R/Orange)
- Open Data Challenge** : This project was developed for Amadeus Global Hackathon 2022 wherein open data sources were used to create solutions for issues facing the travel industry, keeping in mind the sustainable development goals.The solutions included Bike Station Search Dashboard, Route Plan and Green Credit Score Dashboard. This project was in the final round of the hackathon. (Python)
- Autonomous Game Play Using Reinforcement Learning (Angry Birds RL 2.0)** : This was a course based project and inspired from the paper, "Angrier Birds: Bayesian reinforcement learning", arXiv:1601.01297v2,Ibarra et al . The main aim of this project was to train a reinforcement learner based on Q-learning algorithm to play the simplified version of the game Angry Birds. This project sparked my interest in reinforcement learning and helped me to learn about reinforcement learning. (Python)
- Optimal Software Delivery Life Cycle** : Led a small team of 5 members to create a natural language processing model which can be incorporated into a software project management system. The main functionality of the model was to classify the project status into three categories and display the overall status i.e. Red status would mean that the project is at risk, Amber would mean that the project is slightly delayed and Green status would mean the project is on track. This project was part of the program "Project Management Symposium" organized by Collins Aerospace, Bengaluru. (Python)