ALEX J MATHEW

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CONTACT

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ABOUT ME

Exploring the new possibilities of Artificial Intelligence and Machine Learning. Passionate about finding solutions to complex problems. #AI #ML #DataScience

WORK EXPERIENCE

5 APR 2023 – 30 JUN 2023

Machine learning intern Campalin innovations

As a Machine Learning Intern at Campalin Innovation,
1. Develop and apply cutting-edge machine learning algorithms to solve challenging problems.
2. Work on a variety of projects involving computer vision,
3. Natural language processing (NLP)
4. Data Visualization
5. Model Evaluation and Validation

EDUCATION AND TRAINING

20 OCT 2022 – CURRENT India

BTECH(Artificial Intelligence & Machine Learning) Mang alam college of engineering

Germany

Diploma in computer engineering European open university

Germany

Machine learning using tenserflow European open university

KPMG AU Data Analytics - March 2023 KPMG

KPMG AU Data Analytics - March 2023

- Completed a simulation focused on advising a client on customer targeting with the Data, Analytics & Modelling team
- Assessed data quality and completeness in preparation for analysis
- Analysed data to target high-value customers based on demographics and attributes
- Developed dashboards to communicate findings with visuals

United States

Walmart USA Advanced Software Engineering Virtual Experience Program - March 2023 Walmart USA

- Completed the Advanced Software Engineering Job Simulation where I solved difficult technical projects for a variety of teams at Walmart.
- Developed a novel version of a heap data structure in Java for Walmart's shipping department, showcasing strong problem-solving and algorithmic skills.

- Designed a UML class diagram for a data processor, considering different operating modes and database connections.
- Created an entity relationship diagram to design a new database accounting for all requirements provided by Walmart's pet department.

Software engineering Virtual Experience Program JPMorgan Chase & Co.

1. Interface with a stock price
2. Data feed Use JPMorgan Chase & Co.
3. Frameworks and tools Display data visually for traders

AWS APAC Solutions Architecture virtual experience program - March 2023 AWS

- Designed and simple and scalable hosting architecture based on Elastic Beanstalk for a client experiencing significant growth and slow response times.
- Described my proposed architecture in plain language ensuring my client understood how it works and how costs will be calculated for it.

Switzerland

PwC Switzerland Power BI Job Simulation - May 2023 pwc

- Completed a job simulation where I strengthened my PowerBI skills to better understand clients and their data visualisation needs.
- Demonstrated expertise in data visualization through the creation of Power BI dashboards that effectively conveyed KPIs, showcasing the ability to respond to client requests with well-designed solutions.
- Strong communication skills reflected in the concise and informative email communication with engagement partners, delivering valuable insights and actionable suggestions based on data analysis.
- Leveraged analytical problem-solving skills to examine HR data, particularly focusing on gender-related KPIs, and identified root causes for gender balance issues at the executive management level, highlighting a commitment to data-driven decision-making.

Cognizant Artificial Intelligence Job Simulation - May 2023 Cognizant

- Completed a job simulation focused on AI for Cognizant's Data Science team.
- Conducted exploratory data analysis using Python and Google Colab for one of Cognizant's technology-led clients, Gala Groceries.
- Prepare a Python module that contains code to train a model and output the performance metrics for the Machine Learning engineering team.
- Communicated findings and analysis in the form of a PowerPoint slide to present the results back to the business.

British Airways Data Science - May 2023 British Airways

British Airways Data Science Job Simulation on Forage - May 2023

- Completed a simulation focussing on how data science is a critical component of British Airways success
- Scraped and analysed customer review data to uncover findings
- Built a predictive model to understand factors that influence buying behaviour

Accenture North America Coding: Development & Advanced Engineering Accenture North America

1. Object Oriented Programming
2. Code Refactoring
3. Continuous Integration
4. Agile Planning

Deloitte Australia Technology Deloitte Australia

1. Coding
2. Data Analysis Development
3. Cyber Security
4. Forensic Technology

BCG Data Science & Analytics BCG

kochi, India

Computer vision using python Techmaghi

LANGUAGE SKILLS

MOTHER TONGUE(S): Malayalam

Other language(s):

English

Listening C1	**Spoken production** B2
Reading C1	**Spoken interaction** C1
Writing C1	

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

ADDITIONAL INFORMATION

Projects

Virtual assistant with Python Simple python project that can respond like human

CURRENT

Speed tracking using computer vision

Loan Prediction using Machine Learning Loan Prediction using Machine Learning Project idea – The idea behind this ML project is to build a model that will classify how much loan the user can take. It is based on the user's marital status, education, number of dependents, and employments. You can build a linear model for this project

Predicting customer buying behaviour Build a predictive model to understand factors that influence buying behaviour

Gesture-Based Volume Control System Gesture-Based Volume Control System, is a cutting-edge application of computer vision and Python programming that allows users to control the volume of their devices through hand movements.he description...

Machine Learning Pipelines with Azure ML Studio Build an end-to-end machine learning pipeline in Azure ML StudioWrite.Training a Two-Class Boosted Decision Tree Model and Hyperparameter Tuning

Hobbies and interests

Football

Coding