

AKARSHA K M

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OBJECTIVE

I am seeking a competitive and challenging environment where I can serve the organization, establish a path to help the company meet and achieve its goals and, in the process, achieve success.

EDUCATION

M.E. in Artificial Intelligence & Machine Learning

Manipal Institute of Technology, Karnataka

Aug 2023 – Aug 2025

GPA 6.94

Coursework: Applied Machine Learning, Deep Learning, Reinforcement Learning, Natural Language processing etc.

B.E. in Electronics and Communication

Bapuji Institute of Technology under Visvesvaraya Technological University, Karnataka

Aug 2018 – Aug 2022

GPA 6.6

SKILLS

Languages: Python, SQL.

Operating System: Windows, Linux

IDE Tools: Google collab, Visual Studio Code, RStudio

Data visualization tool: Power BI

Machine learning/AI: supervised learning, unsupervised learning, Reinforcement learning and neural networks

Python libraries: Numpy, Pandas, Matplotlib, Tensorflow, SciPy

ACADEMIC PROJECTS

Water Quality Prediction – Intel one API Hackathon:

- Language: Python
- Conducted in-depth exploratory data analysis to extract meaningful insights, identify outliers upon constructing a solid dataset
- Implemented machine learning models for water quality prediction, conduct rigorous performance evaluations and fine-tune optimal results.

Autoencoders on ICU dataset:

- Language: Python
- Data preparation and Model development: Conducted comprehensive data preprocessing on the ICU dataset, including handling missing values, encoding categorical variables, and scaling numerical features
- Model Evaluation and Performance Analysis: Evaluated the performance of predictive models using appropriate evaluation metrics, including accuracy, precision, recall, and area under the ROC curve (AUC-ROC).
- Communication and Stakeholder Engagement: Communicated findings and recommendations to stakeholders, including healthcare practitioners, hospital administrators, and researchers, in clear and actionable terms.

HR Analytics Dashboard Power BI (Language – DAX functions):

- Help an organization to improve employee performance and improve employee retention
- Creating a dashboard and analysing data using DAX query upon importing and cleaning the dataset.

CERTIFICATES

Programming in Python Coursera

SQL for Data science from Coursera

Data visualization and Analysis in Power BI from Coursera

LANGUAGES KNOWN

Kannada, English and Hindi

PERSONAL INFORMATION

Address: #1963/9, S.S. Layout, A Block, 8th Cross, Davangere, Karnataka 577004

DOB: 13th June, 2000

Gender: Female

Nationality: Indian