

# Vazeer Ahmed Mohammad

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## SUMMARY

Data Science graduate proficient in Python, SQL, and AWS, with experience building predictive models and data pipelines. conducting statistical analysis, and creating interactive dashboards. Skilled at translating data into actionable business insights. Seeking an entry-level Data Analyst role to apply analytical and technical skills to solve real world problems

## EDUCATION

Teesside University, UK Sep 2023 Jul 2025  
*MSc in Data Science*

Nalla Malla Reddy Engineering College, India Jun 2016 Mar 2021  
*B. Tech in (Computer Science Engineering)*

## SKILLS:

- **Programming & Analysis:** Python (Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn), SQL, R
- **Data Visualization:** Tableau, Power BI, Excel
- **Machine Learning & AI:** Regression, Classification, NLP (NLTK, SpaCy, BERT), TensorFlow, PyTorch
- **Databases:** MySQL, PostgreSQL, MongoDB
- **Cloud & Big Data:** AWS (EC2, S3, RDS, SageMaker), Apache Spark, Hadoop
- **Other Tools:** Git, JIRA, Flask, Django

## PROJECT EXPERIENCES

### **Predict Covid-19 Using CT-Scan of Patient**

*ML in Python, Role: Developer* *Jan 2025 - May 2025*

- Designed a CNN model in Python to classify COVID-19 CT scans with **80% accuracy**. Implemented image preprocessing and feature extraction pipelines, reducing false negatives by **10%** and enabling faster, more reliable diagnosis support.

### **Covid-19-Visualization**

*Python, Role: Developer* *May 2022 - Jun 2022*

- Created interactive dashboards to track global COVID-19 stats (cases, recoveries, deaths), leveraging WHO datasets and Python libraries to highlight trends and anomalies.

### **Indoor Navigation System**

*Python in MATLAB, Role: Developer* *Jan 2020 - Feb 2020*

- Built a 2D indoor navigation system (Python, MATLAB) using Binary Occupancy Maps to model campus layouts with obstacles. Improved route accuracy by **25%** and reduced navigation time by **30%**, enhancing robot path planning efficiency.

### **Improved Technology for Enquiry in Chat Bot**

*Nov 2019 - Nov 2019*

- Developed a high-performance chatbot handling **1,000+ requests/sec**, reducing query response time by **80%** and cutting support tickets by **70%**. Improved student satisfaction by enabling real-time answers through NLP-based algorithms.

## **INTERNSHIP**

**Data Science Intern — Swecha Organization, India**

*May 2019 - May 2019*

- Conducted data preprocessing, analysis, and visualization on real-world datasets. Collaborated in a team to build predictive models, applying statistical methods to extract insights.

### **House Price Prediction using Machine Learning**

*Sep 2024 - Mar 2025*

- Built a regression model in Python using a Kaggle housing dataset, applying EDA (Pandas, NumPy, Matplotlib, Seaborn) and feature engineering (missing values, categorical encoding) to predict house prices with improved accuracy. Delivered insights into key price drivers to support real-estate investment decisions.

### **AI Voice-Enabled Chat Assistant Web Application**

*Sep 2024 - Mar 2025*

- Developed a voice-enabled web assistant (Flask, Python) integrating Google Gemini API for NLP. Implemented speech recognition and synthesis for hands-free interaction, improving accessibility and enhancing user engagement.

## **ONLINE CERTIFICATIONS COURSES:**

- |  |                    |
|--|--------------------|
| • <b>AWS Fundamentals: Going Cloud-Native</b> <i>(By Coursera)</i>                   | <i>22-Feb-2021</i> |
| • <b>Python Programming Language Certification</b> <i>(by GUVI)</i>                  | <i>18-Apr-2021</i> |
| • <b>Analyze Website Visitors with Google Analytics Segment</b> <i>(By Coursera)</i> | <i>05-Dec-2021</i> |

## **ACHIEVEMENTS**

- Completed an internship for 30 days on Data Science & AIML at Swecha Organization.
- Participated in a hackathon on developing an android mobile application at the National level Hackathon organized by JHUB, JNTU (2019).
- Attended courses offered by IUCEE on Artificial Intelligence in Scale workshop organized by IEEE.
- Participated in a two-day workshop on data science at BITS pilani organized by CODEBEAT.
- Worked as Secretary for student committee of CSE Department association (2018-19)

## **EXTRA-CURRICULAR ACTIVITIES:**

- Actively participated in IEEE as a member
- Gathered data and information as part of the summer internship on IOT, AI/ML, Data Science conducted by SWECHA
- Worked as a Live Webcasting operator during Assembly Elections and Lok Sabha Elections

## **SELF-DECLARATION STATEMENT**

A motivated and results-driven individual with a passion for personal and professional growth. I am dedicated to utilizing my skills, knowledge and experience to make a positive impact in my field and am constantly seeking new challenges to develop myself further.

**NAME:** VAZEER AHMED MOHAMMAD

**DATE:**