

# Ameer Sohail Shaik

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## EDUCATION

### Vellore Institute of Technology, AP

Amaravathi, AP

*Bachelor of Technology in Computer Science and Engineering*

### Narayana Junior College

Guntur, AP

*High School*

## EXPERIENCE

### Artificial Intelligence Development Trainee – Erasmus Internship

August 2024 – Present

*Procedit "the BPaaS company" – Barcelona, Spain*

*Remote*

- Designed and implemented advanced Time-Series forecasting models, leveraging ARIMA, SARIMAX, Long Short-Term Memory (LSTM) and Transformer architectures to accurately predict stock prices, enabling actionable financial insights and supporting strategic decision-making.

### Machine Learning Intern

January 2024 – May 2024

*SBP Consulting Pvt. Ltd*

*Hyderabad*

- Led an innovative image-to-text conversion project that significantly improves accessibility and transforms information access.
- Deployed cutting-edge Optical Character Recognition (OCR) technology using Python and TensorFlow to meticulously extract and convert text from images with precision and efficiency
- Enhanced model accuracy and speed by 25% for text recognition. Worked with a team to integrate the solution into existing apps, improving workflows.

### Data Science Intern

September 2023 – November 2023

*Oasis Infobyte*

*Remote*

- Pioneered an advanced movie recommendation system designed to transform user experience by delivering tailor-made, engaging movie selections.
- Skillfully integrated cutting-edge collaborative filtering and sophisticated content-based filtering algorithms with Python and Scikit-learn to heighten recommendation precision.
- Expertly utilized Matplotlib and Seaborn to vividly visualize recommendation outcomes and discern user trends, creating an enriched and visually compelling narrative of user interaction.

## PROJECTS

### Movie Recommendation System | Python, Pandas, NumPy, Scikit-learn, Matplotlib

July 2024

- Engineered a cutting-edge content-based recommendation system harnessing the power of cosine similarity to dynamically tailor movie suggestions perfectly aligned with the unique preferences of each user.
- Developed feature extraction methods to analyze movie metadata, such as genres, cast, and plot summaries, to create personalized recommendations.
- Executed cutting-edge vectorization strategies, particularly TF-IDF (Term Frequency-Inverse Document Frequency), to meticulously convert intricate, text-based movie datasets into robust numerical formats, enabling sophisticated similarity assessments.

### Retail Shop Orders Data Analysis | Python, Microsoft SQL Server, Tableau

June 2024

- Utilized the Pandas library to clean and preprocess the dataset, ensuring accuracy and consistency for the analysis
- Conducted comprehensive data analysis on retail shop orders using Microsoft SQL Server
- Created interactive and insightful dashboards and visualizations using Tableau software

### Detecting Diabetic Retinopathy using Deep learning | Python, Machine Learning, MySQL, HTML

Jan 2024

- An innovative project dedicated to the in-depth analysis of diverse Diabetic Retinopathy (DR) stages utilizing the cutting-edge capabilities of Deep Learning.
- Enhanced a intuitive interface, meticulously designed to enable users to effortlessly upload retinal images for precise analysis.
- Utilized the TensorFlow and NumPy libraries to execute sophisticated image classification algorithms.
- Implemented real-time display of diagnostic results based on the uploaded image

TECHNICAL SKILLS

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**Languages:** Python, Java, R, NoSQL, SQL, HTML/CSS  
**Developer Tools:** Jira, Git, MySQL, PostgreSQL, MongoDB, Jupyter Notebook, Google Colab, Firebase, Tableau, Matlab, Visual Studio, Microsoft Excel, Confluence  
**Libraries:** Pandas, Flask, TensorFlow, NumPy, Scikit-learn, pyTorch, Matplotlib

CERTIFICATIONS

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<b>Introduction to MongoDB</b> <i>MongoDB Inc. (Financial Aid)</i>	2024
<b>Introduction to Data Analytics by IBM</b> <i>Coursera</i>	2024
<b>Microsoft Azure AI Fundamentals</b> <i>Microsoft</i>	2023
<b>HackerRank Advanced SQL Certificate</b> <i>HackerRank</i>	2023

ACTIVITIES

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**University Cricket Team Vice Captain** | *Vellore Institute of Technology, AP*  
**Vice President, Gardening Club** | *Vellore Institute of Technology, AP*  
**Mathematics Game Winner** | *Vellore Institute of Technology, AP*  
**District Level Swimming Bronze Medalist** | *NTR Municipal Swimming Academy*