

Amal Asati

✉ asatiamal@gmail.com | [in LinkedIn](#) | [GitHub](#) | ☎ +91-9326725725 | Pune, India

CAREER OBJECTIVE

I have been working as a data scientist for more than a year and holding a master's degree in Statistics. Strong knowledge in Python, SQL, PowerBI and MS-Excel. I am excited about applying my data abilities and want to continue learning and progressing in this field.

EXPERIENCE

Junior Data Scientist AI Alpha Tech Nashik, India	August 2023 - Present
Application Screening Model	
<ul style="list-style-type: none">Conducted Exploratory Data Analysis (EDA) on 80% of the dataset and used Generative AI to extract insights from the rest.Built a robust ETL (Extract, Transform, Load) pipeline to effectively clean, preprocess, and structure the diverse application data, ensuring high-quality input for model training.Trained a classification machine learning model to predict candidate suitability based on extracted features.Created recommendation system using model outputs to match candidates with jobs.Deployed the solution on AWS for real-time processing and scalability.	
Dynamic Pricing Model	
<ul style="list-style-type: none">Built a machine learning model for dynamic pricing in logistics, focusing on predicting customer conversion likelihood.Leveraged predictions to automate and optimize pricing decisions, identifying optimal points to boost revenue.Reduced lost sales and achieved a 33% revenue uplift using adaptive ML techniques for pricing optimization.	

PROJECTS

VectorMind Chatbot
<ul style="list-style-type: none">Built an RAG base AI chatbot using FAISS for search and GPT-4 for response generation.Utilized OpenAI embeddings to create and query the vector store, significantly improving response accuracy.Built and deployed a scalable FastAPI API on Railway to serve real-time chatbot interactions.Key Skill: - Python, Retrieval-Augmented Generation (RAG), FAISS, Cloud Deployment (Railway) and API Integration
Automated Temperature Trend Forecast
<ul style="list-style-type: none">Developed an automated predictive model capable of forecasting future temperature trends for user-defined periods.Utilized advanced time series forecasting techniques to enhance the accuracy and reliability of temperature predictions.Assessed the project's impact on user-defined temperature predictions.Key Skill: - Python, Exploratory data analysis, Time Series Model.

SKILLS

<ul style="list-style-type: none">Python NumPy Pandas Scikit-learn Matplotlib Streamlit FastAPIGenerative AI Large Language Models (LLM) Retrieval-Augmented Generation (RAG) ChatBotAWS S3 Lambda Amazon Simple Notification Service Amazon Simple Queue Service Azure DockerMachine Learning Regression Classification Natural Language Processing (NLP) Time seriesMySQL PowerBI MS-Excel
--

EDUCATION

<ul style="list-style-type: none">K.R.T. Arts, B.H. Commerce and A.M. Science College, Nashik Master of Science – Statistics CGPA: 7.85	2021 - 2023
<ul style="list-style-type: none">Sir Parashurambhau College, Pune Bachelor of Science – Statistics Percentage: 80.15%	2018 - 2021

CERTIFICATES

<ul style="list-style-type: none">SAS Programming	<u>SAS</u>	March 2023
<ul style="list-style-type: none">Data Associate	<u>Symbiosis Skills & Professional University</u>	May 2022
<ul style="list-style-type: none">Python Basic for Data Science	<u>edX</u>	January 2022