Shahid Ul Islam

Kulgam, J&K, India

+917780858125 | shahid9664@gmail.com | LinkedIn | Kaggle | Github | Portfolio

SUMMARY

A results-driven Data Scientist and Analyst with hands-on experience in Python, SQL, Machine Learning and Deep Learning. Adept at building predictive models, performing in-depth data analysis, and developing web applications to deliver actionable insights. Proven ability in the entire data lifecycle, from preprocessing and feature engineering to model evaluation and deployment. Passionate about leveraging AI and data-driven solutions to solve complex, real-world problems and contribute to technological innovation.

EDUCATION

Islamic University of Science And Technology. *Awantipora, Pulwama, Jammu and Kashmir*
Master of Computer Applications (MCA) *August 2023 – August 2025*
CGPA: 9.24

Indira Gandhi National Open University. *New Delhi, India*
Bachelor Of Computer Applications (BCA) *January 2020 – June 2023*

WORK EXPERIENCE

Immortal Software Solutions
Banglore, Karnatka, India (Feb 2025 – May 2025)
Python Developer (Internship)
- Developed and implemented Python-based web crawlers and parsers for automated data acquisition from diverse web sources.
- Engineered and optimized data processing pipelines for data cleaning, transformation, and validation, enhancing data integrity and workflow efficiency.
- Created a user-friendly dashboard with web technologies to display important insights, helping teams make quicker and better decisions
- Worked with Google Cloud Platform (GCP), gaining hands-on experience with cloud service management and CI/CD pipelines.

EduPi School
Srinagar, Jammu & Kashmir, India (Apr 2024 – Dec 2024)
Machine Learning Trainer (Remote)
- Designed and conducted interactive online training sessions, simplifying complex machine learning concepts for students of varying skill levels.
- Guided learners through practical projects, helping them build, train, and deploy their own machine learning models using real-world data.
- Offered ongoing support and personalized feedback, fostering a collaborative learning environment and empowering students to gain confidence in their ML skills.

PROJECT EXPERIENCE

Transfer Learning for Respiratory Disease Classification in Chest X-Rays
Islamic University Of Science and Technology Awantipora, Kashmir (May 2025 – Aug 2025)

- Developed a deep learning model to automatically classify respiratory diseases (Viral Pneumonia, Bacterial Pneumonia, and COVID-19) from chest X-ray images, achieving a classification Accuracy of 86%.

- Implemented a transfer learning approach by fine-tuning a pre-trained Convolutional Neural Network (CNN), VGG16 and Vision Transformer, ViT B/16, significantly accelerating model training and improved predictive performance.

- Engineered a robust data pipeline to process and augment a dataset of 6,500 images, employing techniques like rotation and flipping to en- hance model generalization.

- Evaluated the model using key metrics including precision, recall, and F1-score to provide a comprehensive assessment of its diagnostic capabilities.
- **GitHub: https://github.com/Khanz9664/Transfer-Learning-for-Respiratory-Disease-Classification**

Breast Cancer Prediction Using Machine Learning
Islamic University Of Science and Technology Awantipora, Kashmir (Nov 2024 – Feb 2025)

- Developed a web application with Streamlit that uses a Random Forest model to classify tumors with 98% accuracy, providing a tool for early breast cancer detection.
- Engineered features and performed extensive data preprocessing, which improved model performance by 15%.
- GitHub: https://github.com/Khanz9664/Breast-Cancer-Prediction

Apple Sales Analysis & Dashboard
Islamic University Of Science and Technology Awantipora, Kashmir (Dec 2024 – Jan 2025)

- Conducted a comprehensive analysis of the Apple Sales 2024 dataset, identifying key product trends and regional sales patterns.
- Developed an interactive dashboard using Streamlit, Plotly and Dash to visualize revenue insights and product performance, providing actionable recommendations for sales forecasting.
- GitHub: https://github.com/Khanz9664/Comprehensive-Data-Analysis-Visualization-of-Apple-Product-Sales

Medicine Review Categorization
Islamic University of Science and Technology Awantipora, Kashmir (Jun 2024 – Sep 2024)
- Applied Natural Language Processing (NLP) techniques to categorize patient medicine reviews. Employed TF-IDF vectorization and a classification model to analyze and extract patient sentiment
- Built a user-friendly interface with Streamlit for real-time review analysis, enabling healthcare professionals to quickly understand patient sentiment.
- GitHub: https://github.com/Khanz9664/Medicine-Review-Categorization

Portfolio Website
Islamic University Of Science and Technology Awantipora, Kashmir (Mar 2024 – Aug 2024)

- Developed a responsive personal portfolio website using HTML, CSS, and JavaScript to showcase projects and technical skills.
- Implemented interactive features such as smooth scrolling, modals, and hover effects to enhance user experience.
- Ensured mobile compatibility and cross-browser functionality, achieving consistent performance across devices and platforms.
- Deployed the website via GitHub Pages, enabling easy updates and public access to the portfolio.
- GitHub: https://github.com/Khanz9664/portfolio
- Live Website: https://khanz9664.github.io/portfolio

Criminal Records Management System
Indira Gandhi National Open University Srinagar, Jammu and Kashmir (Aug 2022 - Dec 2022)

- Developed a centralized web-based application for managing and analyzing criminal records. The system is designed to streamline operations for law enforcement agencies such as the police, NCRB, and CBI, enabling them to securely manage, update, and retrieve criminal data efficiently.
- Github : https://github.com/Khanz9664/criminal-records-system

LICENSES AND CERTIFICATIONS

Courses:
Machine Learning I (Columbia University)
Unsupervised Learning, Recommenders,Reinforcement Learning (Coursera)
Advanced Learning Algorithms (Coursera)
Supervised Machine Learning: Regression and Classification (Coursera)
Professional Diploma in Python Development (Udemy)
Fundamental Course of Data Architecture 2.0. (Udemy)
Machine Learning Certification Course for Beginners. (Analytics Vidya)
Advanced Excel Course. (ELearnMarkets)

CSS, Bootstrap and Javascript and Python Stack Course. (Udemy)
Badges:

Analyzing and Visualizing Data in Looker (Google)
Introduction To Data Analytics on Google Cloud (Google)
Introduction To Generative AI (Google)
Introduction To Large Language Models (Google)
Introduction To Responsible AI (Google)
Professional Machine Learning Engineer Study Guide (Google)

SKILLS

Programming Languages: *Python, C, C++, SQL, HTML, CSS, JS*

Data Science & Machine Learning: *Data Analysis & Preprocessing, Data Visualization, Supervised & Unsupervised Learning, Model Evaluation & Tuning, Feature Engineering*

Artificial Intelligence & Natural Language Processing: *Natural Language Processing (NLP), Sentiment Analysis (TextBlob), Text Classification, Tokenization, Language Modeling*

Database Management: *Relational Database Design, SQL Query Optimization, Data Warehousing, Experience with MySQL, PostgreSQL, Google BigQuery*

Technical Tools: *Jupyter Notebooks, Git & GitHub, Docker, VS Code, Excel, Google Cloud Platform (BigQuery, Looker), Pandas, NumPy, Matplotlib, Seaborn*