DEBOJIT BASAK

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EDUCATION

Bachelors' of Science in Mathematics, Shahjalal University of Science and Technology.
(CGPA - 3.09)   2019 - 2023
Relevant Coursework: Linear Algebra, Mathematical Statistics, Data Structure, Algorithms, Calculus

PUBLICATION

- Author of **"Data Science, A Comprehensive Guide for Beginners"** Book Link
- Final Year Project - **A Study on Normal Ideals of P-Algebra in 0-Distributive Lattices**

SKILLS

Programming Languages	Python, JavaScript, SQL, C++
Data Science / Data Analysis	Data Visualization (Matplotlib, Seaborn, Power BI, Tableau, Excel), Data Processing, Image Processing.
Machine Learning	Regression, Classification, CNN, Numpy, TensorFlow, Pandas, Scikit-Learn

CERTIFICATIONS

- **Nuts and Bolts of Machine Learning by Google** by Coursera
- **Supervised Machine Learning: Regression and Classification by Deep Learning.Ai and Stanford online** by Coursera.

EXPERIENCE

Internship   Feb 2024
Boston Consulting Group (BCG) Data Science -   *Forage.com*

- Completed a customer churn analysis, demonstrating advanced data analytics skills, identifying essential client data and outlining a strategic investigation approach. .
- Conducted data analysis using Python (Pandas and NumPy).Employed data visualization techniques. Used Random Forest model for predictions (Accuracy 92%)

Internship   Feb 2024
PwC Switzerland Digital Intelligence -   *Forage.com*

- Completed data analysis and modeling for the Digital Intelligence team.
- Built Python classification models (SVM, Random forest classifier - got an accuracy of 92%), analyzed feature importance, and created visual representations.

Contest Corrdinator   April 2023 - Present
Euclid Programming Club (EPC), Dept. of Mathematics -   *Shahjalal University of Science and Technology*

- We conducted 7 programming contests, 3 workshops on Programming and 2 Seminars on research and career in related fields.

Managing Associate   Dec 2020 - Jan 2022
RoboAdda

- Conducted workshops on Robotics for absolute beginners with 600+ participants.
- Build Tutorial module for C programming language.
- Conducted 3 webinars on related fields.

PROJECTS

- **Breast Cancer Analysis :** Used models: **Stochastic Gradient Boosting** Project Link

- **Twitter Sentiment Analysis using Natural Language Processing:** Conducted NLP to classify tweets sentiment. Project Link

- **Spotify Data Analysis:** Conducted **Exploratory Data Analysis** on available dataset of Spotify 2023 and made **dashboard.** Project Link

- **Stock Price Prediction using Prophet:** Used Facebook Prophet model to predict stock market. Project Link

- **Fetal Health Classification Using Various ML Models:** Used Models: **Logistic Regression, Decision Tree Classifier, Random Forest Classifier, SVM** Project Link

- **Image Classification:** Used **CNN** to determine whether a person is happy or sad. Project Link

- **Uber Data Analysis:** Used available Uber data for building data pipeline. Porject Link

VOLUNTERING EXPERINECE

Volunteer Dec 2021 - Present
KIN, A Volunteering Organization - *Shahjalal University of Science and Technology*

- Participated in winter cloth distribution among underprivileged people in 2021, 2022, 2023.

- Participated in Organizing a relief camp for flood-affected people in Sylhet, Bangladesh in 2022.

- Organized charity book fair for the treatment of an underprivileged child in September 2022.

- Organized blood donation camp at our campus and collected 50+ bags of blood and conducted camping regarding awareness of blood donation in February 2023.

- Organized a charity concert for the treatment of an underprivileged child in October 2023.