

SHEHRAN SYED (He/Him/His)

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OBJECTIVE

Graduate student with a strong foundation in statistics and computer science, seeking a full-time data science or analytics role.

WORK EXPERIENCE

UC Davis, Department of Statistics

Graduate Reader

Davis, CA

Aug 2023 - Present

- Grade student work and prepare gradesheets for upper-division statistics classes.
- Classes: Statistical Data Science, Mathematical Statistics, Applied Statistics for Business and Economics.

Brac University, School of Data and Sciences

Lecturer, Vice Chancellor's Fellowship

Dhaka, Bangladesh

Jan 2020 - Sep 2022

- Instructed students at the undergraduate level in courses within the Statistics discipline.
- Courses taught: Elements of Statistics and Probability, Introduction to Statistics and Probability, Visual Programming for Business.
- Coordinated a team of lecturers to facilitate effective online delivery of course content during the pandemic.
- Designed a dashboard to expedite reviewing and categorizing applications for emergency financial aid during the pandemic.

Brac University, Department of Computer Science and Engineering

Adjunct Lecturer

Dhaka, Bangladesh

Sep - Dec 2019

- Instructed students at the undergraduate level in labs of courses within the Computer Science discipline.
- Labs instructed: Introduction to Computer Science, Programming Language I & II, Algorithms, Digital Logic Design

Brac University, Department of Computer Science and Engineering

Student Tutor

Dhaka, Bangladesh

May 2018 - Aug 2019

- Tutored and assisted students enrolled in first and second year Computer Science courses.

EDUCATION

University of California, Davis

Master of Science in Statistics, Data Science Track

Davis, CA

Sep 2022 - Dec 2023 (Expected)

- Relevant Coursework: Statistical Methods for Research, Probability Theory, Statistical Data Science, Machine Learning, Computational Statistics, Optimization for Big Data Analytics, Web Technologies for Data Analysis, Time Series Analysis.

Brac University

Bachelor of Science in Computer Science, Minor in Mathematics

Dhaka, Bangladesh

Jan 2016 - Aug 2019

- Honors: Graduated with Highest Distinction
- Relevant Coursework: Machine Learning, Artificial Intelligence, Statistics and Probability, Stochastic Processes, Topology, Real Analysis, Operations Research, Data Science.

PROJECTS

University of California, Davis, Machine Learning Course Project

Identifying Age-Related Conditions

Davis, CA

Spring 2023

- Analyzed the efficacy of machine learning models in diagnosing age-related medical conditions.

University of California, Davis, Statistical Data Science Course Project

An Analysis of the Modulation of Neural Activity in the Visual Cortex of Mice as a Result of Visual Stimuli

Davis, CA

Winter 2023

- Performed ANOVA to study the relation between visual stimuli presented to mice and the resulting neural activity.
- Built a predictive model for the outcome of trials based on the levels of visual stimuli and neural activity of the mice.

Brac University, Undergraduate Thesis

Modelling Option Prices Using Neural Networks

Dhaka, Bangladesh

May 2018 - Aug 2019

- Applied neural networks for the task of predicting prices of European call options.
- Compared the performance of neural networks with that of the Black-Scholes Model in modelling option prices.

Brac University, AI Course Project

Question/Answer Hint Generation From Text

Dhaka, Bangladesh

Fall 2018

- Built NLP tools for generating hints to comprehension questions, utilizing LSTMs in Keras and Cosine Similarity.

SKILLS

Programming: Python (NumPy, SciPy, matplotlib, scikit-learn, nltk, Keras), R, Java, SQL, HTML, CSS

Software & Programs: Spreadsheets Programs (Excel, Google Sheets), Looker Studio

Others: Photo editing and graphic design (Adobe Photoshop, Illustrator), Video editing (DaVinci Resolve)