

# JALAL UDDIN

📍 243, Uttar Krishnapur, Cumilla-3519    ✉ jalaluddin0046356@gmail.com    ☎ 01571314883

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## CAREER OBJECTIVE

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A passionate and detail-driven aspiring Data Scientist with a strong foundation in Machine Learning, Data Analysis, and Statistical Modeling, seeking a Data Scientist position preferably in a research-driven company focused on innovation and data-driven decision-making.

## EDUCATIONAL QUALIFICATION

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- Bachelor of Science in Computer Science and Engineering, American International University-Bangladesh, Kuril, Jan 2022 to 2025, CGPA: 3.71/4.0
- Higher Secondary Certificate in Science, Dhaka Imperial college, Dhaka, Jan 2018 to April 2020, GPA: 5.0/5.0
- Secondary School Certificate in Science, Gouripur SA High School, Jan 2016 to Dec 2018, GPA: 5.0/5.0

## EDUCATION RELATED EXPERIENCE

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Currently participating in the ML Bootcamp by Anjir, focusing on hands-on training in supervised and unsupervised learning, model optimization, and deployment techniques. Applying machine learning algorithms to real-world datasets to enhance practical knowledge in data science.

## EXTRA-CURRICULAR EXPERIENCE

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### Graphic Design Head

AIUB Photography Club, Dhaka, Bangladesh

Led the design team to produce creative visual content for university events, social media, and publications. Improved team collaboration and creative output by mentoring junior designers.

## SKILLS

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### Technical Skills:

- Language: Python, R, C++ , Java, MySQL, C, JavaScript, HTML, CSS, PHP
- Frameworks: Pandas, Pytorch, OpenCV, Keras, TensorFlow, Node
- Version Control: Git, Docker

### Soft Skills:

- Strong problem-solving ability using data-driven insights
- Ability to explain complex models for non-technical stakeholders
- Works effectively in cross-functional teams
- Efficiently handling multiple projects and deadlines

## RESEARCH RELATED WORKS

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Machine Learning Machine Learning Models for Reliable Thyroid Cancer Recurrence Prediction: A Comparative Analysis (PAPER ID-2024040015) Conference: 4th International Conference on Trends in Electronics and Health Informatics.

## CERTIFICATION

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- Supervised Machine Learning: Regression and Classification (From Coursera)
- National Data Analytics Competition, NDAC - 2025 Organized by Daffodil International University.

## VOLUNTEER ACTIVITIES

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Actively contributed various activities to **AIUB Photography Club** by leading innovative design projects, assisting in organizing successful events, and fostering a collaborative environment that promotes creativity and teamwork.

## PROJECTS

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### **Face Recognition System (CNN)** *9th Semester*

Developed a face recognition system using Convolutional Neural Networks (CNNs), featuring three convolutional layers, pooling operations, and fully connected dense layers. Techniques like ReLU activation, L2 regularization, and dropout were applied to improve model accuracy and prevent overfitting. **GitHub**

### **E-Commerce Website - Ecomet (webtech)** *9th Semester*

Developed Ecomet, a dynamic web-based e-commerce platform enabling product browsing, cart management, order processing, and secure transactions. Built with HTML, CSS, JavaScript, PHP, and SQL for database. **GitHub**

### **Thyroid Cancer Recurrence Prediction using Machine Learning** *8th Semester*

Developed a Machine Learning-based model to predict the recurrence of Thyroid Cancer, enabling early detection and supporting improved patient management. Utilized classification algorithms, feature selection techniques, and model evaluation metrics to ensure high prediction accuracy and reliability. **GitHub**

### **Through the lens of Visualization (Data Science)** *7th Semester*

Focusing on exploring and presenting complex datasets through interactive visual representations. Utilized Python, libraries like Matplotlib, Seaborn, and Plotly for data analysis and visualization, enhancing insights and decision-making. **GitHub**

### **Land Survey To Trace Cultivate Lands (SE)** *7th Semester*

Developed a Land Survey system to trace and manage cultivated lands, applying principles of Software Project Management, Requirements, and Design. The project focused on creating an efficient solution for land tracking and cultivation monitoring. **GitHub**

### **Agricultural E-Commerce System (C#)** *6th Semester*

Designed to connect farmers and consumers through a user-friendly platform. The system allows users to browse agricultural products, manage orders, and handle transactions securely, with an intuitive interface built using the Metro Framework and Microsoft SQL Server for data management. **GitHub**

### **Football World Cup Database Management System (SQL)** *3rd Semester*

Developed to store and manage match data, player statistics, and team performance. Utilized SQL for data storage and retrieval, ensuring efficient querying and reporting for tournament analysis. **GitHub**

### **Railway Ticketing System (Java)** *2nd Semester*

Developed a Railway Ticketing System in Java to automate ticket booking, seat management, and schedule tracking. Implemented features for user authentication, ticket reservations, and payment processing using Java and MySQL for data storage. **GitHub**

## REFERENCES

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Mahfujur Rahman  
Assistant Professor  
Faculty of Science and Technology.  
American International University-Bangladesh (AIUB)  
Phone: 01.....  
Email: mahfuj@aiub.edu

## SIGNATURE

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