DAUD IBRAHIM HASSAN

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EDUCATION

BRAC University   **Dhaka, Bangladesh**
Bachelor of Computer Science and Engineering   Expected 2028
- **CGPA:** 3.71 / 4.0
- **Relevant Coursework:** Database System, Software Engineering, Artificial Intelligence, Data Structures, Web Development, Computer Networks

Notre Dame College   **Dhaka, Bangladesh**
Higher Secondary School Certificate (HSC), Science
- **GPA:** 5.0/5.0
- **Year of Completion:** 2022

St. Gregory's High School & College   **Dhaka, Bangladesh**
Secondary School Certificate (SSC), Science
- **GPA:** 5.0/5.0
- **Year of Completion:** 2020

WORK & EXPERIENCE

GNA Official Website   **Remote**
Web Developer (Part-time)   Oct 2024 – Present
- Developed and maintained a responsive, user-friendly website for Gregorian of North America
- Optimized site functionality and user experience across multiple devices
- Implemented front-end and back-end updates to align with latest web standards
- Collaborated with team to enhance website engagement and navigation

PROJECT EXPERIENCE

- **BRACU Duburi AUV**   Mar 2025 – Present
  Contributed to Bangladesh's first autonomous underwater vehicle by supporting operations, fostering technical excellence, and bridging technology with real-world applications.
- **Customer Churn Prediction** (*Python, Machine Learning*)
  Applied K-Nearest Neighbors to predict customer churn using real-world telecom datasets.
- **Loan Prediction Analysis** (*Python, Machine Learning*)
  Built a logistic regression model to predict loan approvals from historical banking data.
- **Aarong Sales Prediction** *(Python, Machine Learning)* – Forecasted store sales using multivariate linear regression with store and product data.
- **HR Attrition Dashboard** *(Tableau / Power BI)* – Created interactive dashboards to visualize employee attrition patterns and key metrics.
- **Covid-19 Data Exploration** *(SQL, Python, Excel)* – Conducted in-depth analysis of Covid-19 datasets to extract actionable insights.
- **Energy Efficiency Analysis** *(Python, Excel)* – Evaluated NYC building energy efficiency and greenhouse gas emissions, providing data-driven recommendations.

LEADERSHIP & ACTIVITIES

BRACU Duburi   **Dhaka, Bangladesh**
Operation Sub-Team   *Mar 2025 – Present*
- Support operations and technical tasks for Bangladesh's first autonomous underwater vehicle, developing teamwork, project management, and robotics skills.

Programming Hero   **Dhaka, Bangladesh**
Campus Ambassador   *Mar 2025 – Present*
- Inspire students in Competitive Programming through workshops and coding events, enhancing leadership, teaching, and event management skills.

UDVASH-উদ্ভাস   **Dhaka, Bangladesh**
Mathematics Instructor   *Jan 2024 – May 2024*
- Teach SSC-level mathematics, improve problem-solving abilities, and mentor students, strengthening mentoring, instructional, and analytical skills.

WSEH (English Speaking Platform)   **Dhaka, Bangladesh**
Host & Moderator   *Aug 2021 – Aug 2023*
- Facilitate interactive English-speaking sessions for 5,000+ participants, enhancing public speaking, community engagement, and organizational skills.

Outward Bound Adventure Club (Notre Dame College)   **Dhaka, Bangladesh**
Publication Executive   *Feb 2022 – Feb 2023*
Notre Dame Nature Study Club   **Dhaka, Bangladesh**
Operations Executive   *Sept 2020 – Sept 2021*
Notre Dame College Football Team   **Dhaka, Bangladesh**
Left Wing Forward   *July 2022 – Feb 2023*
Gregorian Football Team   **Dhaka, Bangladesh**
Left Wing Forward   *July 2019 – Jul 2020*
Gregorian Science Club   **Dhaka, Bangladesh**
Vice-President   *Jan 2018 – Jul2020*

SKILLS, ACTIVITIES & INTERESTS

Languages: Fluent in English; Conversational Proficiency in Urdu

Technical Skills:

Data & Analytics: Python (Pandas, NumPy), SQL, Excel, Tableau, Power BI, Data Cleaning, Data Visualization, Web Scraping

Programming & Web Development: JavaScript, PHP, HTML, CSS, WordPress, Responsive Web Design

Business & Operations: Digital Marketing, SEO, Campaign Management, Project Management, Event Management

Machine Learning & AI: Prompt Engineering, Logistic Regression, KNN, Predictive Modeling

Soft Skills: Analytical Thinking & Problem Solving, Communication & Presentation, Leadership & Team Management, Mentoring & Coaching

Certifications: Data Analytics Bootcamp with Alex Freberg

Interests: Robotics & Technology Innovation, Football & Team Sports, Community Service & Volunteering, Competitive Programming & Hackathons