

Abdullah Al Anan

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EXPERIENCE

BJIT Limited — Intern IT

March 2025 – June 2025

Provided IT support, including system setup and secure data access management, ensuring reliable data flow and infrastructure. Managed user credentials and access controls, supporting data integrity and security vital for data operations.

BRAC University — Teaching Assistant

July 2023 – January 2025

Mentored students in **Data Structure, Algorithm, OOP, and Pattern Recognition**, enhancing analytical and problem-solving skills. Conducted labs, graded assignments, and supported data-focused academic delivery with faculty.

EDUCATION

BRAC University

2020 - 2025

Bachelor of Science in Computer Science and Engineering, CGPA: **3.85/4.00**

Dhaka

ACHIEVEMENTS

- Awarded BRAC University **Merit Scholarship** for 10 semesters.
- Named to BRAC University's **Vice Chancellor's List** and **Dean's List** for academic excellence.
- Solved **200+ problems** algorithmic problems on competitive platforms.
- Recognized as **Best Organizer**, 2nd NDF BD-NHMSC DC Workshop.

TECHNICAL SKILLS

- **Programming Languages:** Python, SQL, JavaScript (JS)
- **Databases:** MySQL, PostgreSQL, NoSQL
- **Data Visualization:** Power BI, Metabase, Excel/Google Sheets
- **Data Warehouse:** Google BigQuery
- **AI, ML & Data Libraries:** PyTorch, TensorFlow, Scikit-learn, OpenCV, NumPy, Pandas, Matplotlib, Seaborn
- **Frameworks:** Django, Node.js
- **Web Technology:** HTML, CSS
- **Tools & Platforms:** Git, GitHub, Docker

PROJECTS

Heart Disease Prediction | Python, SVM, Decision Tree, Random Forest, KNN

[GitHub](#)

Developed machine learning models to predict heart disease risk, aiding early detection and improving healthcare efficiency. Used models like SVM, Decision Tree, KNN, and Logistic Regression.

Hospital Management Analysis | Power BI, DAX, Power Query, Data Visualization

[GitHub](#)

Built a Power BI solution to track hospital KPIs, patient demographics, and cost patterns, enabling data-driven decisions that improved operational efficiency and resource allocation.

Exploring Data Analysis of Hotel Management | Microsoft Excel, PivotTables, Power Query, Data Visualization

[GitHub](#)

Designed an Excel-based hospitality analysis to monitor booking performance, seasonal revenue patterns, and cancellation behavior, delivering actionable strategies to optimize revenue streams.

THESIS AND RESEARCH

Blockchain-backed SSI: Empowering Travelers with a secure platform for digitalized travel information

Blockchain-based SSI systems offer a secure, privacy-focused travel pass, letting users store credentials on one platform. This reduces data exposure, physical document use, and simplifies verification across transport modes.

A Secure and Trustworthy Digital Passport System Using Self-Sovereign Identity and Blockchain

This study proposes a blockchain-based digital passport using SSI and Verifiable Credentials for secure, privacy-preserving identity verification. A Proof-of-Concept (PoC) was implemented to assess feasibility and address security threats.