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.

Movie Sentiment Analysis | *Python, pandas, scikit-learn, nltk, numpy*   GitHub ⬈

Analyzed IMDB movie reviews using NLP techniques to classify sentiments as positive or negative. Implemented and compared models including Naive Bayes and K-Nearest Neighbors.

Travel Management System | *React.js, Express.js, JavaScript, MongoDB*   GitHub ⬈

Designed a full-stack travel management platform enabling itinerary creation, hotel booking, and guided tour planning for streamlined travel experiences.

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.