

MD. AZAZ AHAMED

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EXPERIENCE

Thesis:

Malware Detection in Android Devices Using Hybrid Method

March 2024-January 2025

- Delivered insights on Android security vulnerabilities and mitigation strategies to academic researchers and industry experts.
- Created and applied optimized malware recognition for existing security frameworks (Random Forest, XGBoost etc).
- Conducted thorough performance reviews utilizing ROC AUC, precision, recall, and F1-score.
- Coordinated collaboration with supervisors and faculty across several disciplines while making sure Lab activities focused on achieving its cybersecurity research aims.
- Assisted in improving the scalability and interpretability of detection methods and applied them for real-world use in cybersecurity.

Project:

Online Payment Fraud Detection.

August 2024

- Executed quantitative analysis on a large dataset (100,000+ daily) in Python to discover patterns and classify data.
- Created data pre-processing pipelines to include handling key values, encoding categorical data, scaling key features, and validating data integrity.
- Built and trained machine learning models (KNN, Linear Regression, Naive Bayesian) to classify credit card approvals with optimized accuracy.
- Evaluated and compared models via precision, recall, F1 score, and confusion matrices.
- Automated significant steps in data preparation and model training: reducing manual workload by approximately 30%.

Food Delivery System

April 2023

- Developed an online food distribution platform using HTML5 for the frontend.
- Implemented user registration, menu reading, order placement, and real-time tracking features.
- Custom SQL questions to improve database performance and response time.
- The system is designed as a user-friendly interface for spontaneous navigation.

Furniture Landing Page

Live Link: <https://azaz-exe-project.vercel.app/>

- Built a responsive furniture landing page using React.js and Vite.
- Implemented global state management with React Context API for theme and cart features.
- Designed reusable components(Navbar, Footer) for maintainable code.
- Used React Router for smooth navigation and dynamic content.
- Applied tailwind.css for a modern, user-friendly UI.

- React.js, JavaScript (ES6+), HTML5, CSS3, and other technologies were used to design and develop responsive, scalable web applications that ensured maximum accessibility and performance.
- created custom hooks and reusable React components for faster development and preserve consistency throughout the application.
- incorporated third-party services and APIs (such as analytics and payment gateways) to increase the functionality of the application.

EDUCATION

Bachelor of Science In Computer Science

BRAC University.

May 2020-2025

Higher Secondary Certificate

BirShrestha Noor Mohammad Public College

Secondary School Certificate

BirShrestha Munshi Abdur Rouf Public College

TECHNICAL SKILLS

Front-End Development Skills

- Created responsive websites using **HTML5, CSS3, JavaScript and React.**
- Built UI features, integrated dynamic features with **JavaScript event handling and DOM manipulation**
- Designed clean, simple layouts following usability guidelines based on modern web design principles
- Built mini-projects that illustrated JavaScript logic for front-end, recreating a realistic UX with JS logic, local storage, & data persistence.
- Created and designed interactive web banners using **GSAP**, implementing animations and transitions to create a better experience.
- Optimized banner performance by minimizing animation load times and ensuring efficient browser rendering.

Cybersecurity, Ethical Hacking, and Network Engineering

- Knowledgeable in WPA/WPA2 security analysis, web application security, and post-connection attack scenarios.
- Familiar with utilizing ethical hacking tools (Wireshark, Aircrack-ng, Metasploit).
- Knowledgeable in configuring Ethernet switching, VLANs, STP, and VTP.
- Website Enumeration & Recon: Ping, Host, Nslookup, WhatWeb, Nmap, Nikto.

Operating System: Kali, Ubuntu, Porteus.

REFERENCES

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