MOHAMMAD AMAZ UDDIN

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SUMMARY

I am a programmer with expertise in competitive programming and extensive experience in developing web applications. I developed many web applications using **ASP.NET (Core, MVC, Entity Framework)**. I have participated in numerous programming contests and have a strong background in various fields of research, including **Cybersecurity, IoT and AI**. I am passionate about exploring new challenges and continuously expanding my knowledge and skills through hands-on experience.

SKILLS & EXPERTISE

- **Programming Languages:** C, C++, C#, Python
- **Web:** HTML5, CSS3, JavaScript, Bootstrap, jQuery, Express.js, Ajax
- **ASP.NET Framework:** ASP.NET Core, ASP.NET MVC, ASP.NET Boilerplate, ASP.NET Core Web API, Entity Framework Core, LINQ, Repository Pattern
- **JS Frameworks/Libraries:** React.js, Angular, TypeScript, Redux, PrimeNG, PrimeReact
- **Database:** MySQL, SQL Server, PostgreSQL, MongoDB
- **Version Control:** Git, Bitbucket, SourceTree
- **Reporting Tools:** DevExpress, PDFMake, ExcelJS
- **AI & ML:** Machine Learning (ML), Deep Learning (DL), Artificial Intelligence (AI), NLP, IoT
- **Embedded Systems & Tools:** Arduino, MATLAB
- **Mobile App Development:** Android (Flutter)

JOB EXPERIENCE (4 YEARS+)

01/July/25 - Present	**Sr. Software Engineer (Sr. Executive-IT)**
01/Sept/23 – 30/June/25	**Software Engineer (Executive-IT)** Summit Alliance Port Limited (SAPL)

- ✓ Developed and maintained high-performance web applications using ASP.NET MVC and ASP.NET Core Web API.
- ✓ Designed and optimized relational databases (MSSQL, MySQL, PostgreSQL), improving data access efficiency.
- ✓ Implemented RESTful APIs with ASP.NET Core and Node.js/Express.js, enabling seamless integration across systems.
- ✓ Built dynamic, responsive user interfaces with Angular, React, and jQuery.
- ✓ Developed and maintained Android mobile applications using Flutter, ensuring smooth UI/UX and API integration.
- ✓ Managed version control using Git and Bitbucket, ensuring consistent code quality and collaboration.
- ✓ Optimized complex SQL queries and stored procedures, enhancing application performance.
- ✓ Provided cross-departmental support by troubleshooting and resolving software issues in both existing and new applications, ensuring uninterrupted business operations.

16/Mar/23 – 31/Aug/23	**Programmer (Web Application Developer)**

Energypac Power Generation Ltd.
- ✓ Developed ASP.NET Core projects. Contributed to application development that influences business automation.
- ✓ Developed REST API according to other application requirements.
- ✓ To assist in the preparation and documentation of program requirements and specifications.
- ✓ Generating different types of transitional and analyzing reports from existing applications that help to find business strengths and Weaknesses.
- ✓ Assist the team leader in preparing training material and training. Ensured user support for existing applications.

01/Mar/21 – 15/Mar/23	**Software Engineer (Executive-IT)**

Oriental Oil Company Limited (OOCL)
- ✓ Developed ASP.NET Core Web API and Angular projects.
- ✓ Developed REST API according to other application requirements.
- ✓ Generating different types of transitional and analyzing reports.
- ✓ Ensure user support for existing applications.
- ✓ Developed Node.js and React.js projects.

EDUCATIONAL BACKGROUND

2023-2025	**M.Sc. in Computer Science and Engineering**
	International Islamic University Bangladesh (IIUC)
	Passing Year: 2025
	CGPA: **3.52** (Out of 4)
2017-2020	**B.Sc. (Hons) in Computer Science and Engineering**
	BGC Trust University Bangladesh
	Passing Year: 2021
	CGPA: **3.87** (Out of 4)

TRAINING AND CERTIFICATE

- **Web Application Development-Dot Net.**   **2019**
  BASIS Institute of Technology & Management (BITM)
  Duration: 3 months (26/01/2019 – 29/04/2019)

PROGRAMMING EXPERIENCE

- **International Collegiate Programming Contest (ICPC)**   **2018, 2019**
  Preliminary round – Dhaka Regional
- **National Collegiate Programming Contest (NCPC)**   **2018, 2020**
  Organizer: ICT Ministry of Bangladesh
- **Inter-University Programming Contest**
  Organizer: University of Science & Technology, Chittagong   **2018**
  Organizer: North South University   **2018**
  Organizer: Chittagong University of Engineering & Technology   **2017-2019**
- **Intra University Programming Contest**   **2017- 2020**
  Organizer: BGC Trust University, Bangladesh

PROJECTS

- **Employee Profile System (EPS)** *[SAPL]*

  Backend: Express.js**, Frontend:** React.js**, Database:** PostgreSQL

- **Off-dock Enterprise Resource Planning (ODERP)** *[SAPL]*

Backend: ASP.NET Core Web API, Entity Framework Core, **Frontend:** Angular, **Database:** PostgreSQL

- **OCSalesMan (OIL Selling Android App)** *[SAPL]*

    Language: Dart, **Framework:** Flutter, **Backend:** ASP.NET Core Web API, **Database:** PostgreSQL

- **OpsSAPL (Operation of SAPL Android App)** *[SAPL]*

    Language: Dart, **Framework:** Flutter, **Backend:** ASP.NET Core Web API, **Database:** PostgreSQL

- **Asset Management System (SAM)** *[Energypac]*

    Backend: ASP.NET Core MVC, Entity Framework Core, **Frontend:** HTML5, CSS, Bootstrap, jQuery, **Database:** MSSQL Server

- **Case Management System (CAM)** *[Energypac]*

    Backend: ASP.NET Core MVC, Entity Framework Core, **Frontend:** HTML5, CSS, Bootstrap, jQuery, **Database:** MSSQL Server.

- **Resort Management System (RMS)** *[OOCL]*

    Backend: ASP.NET Core Web API, Entity Framework Core, **Frontend:** Angular, **Template:** Boilerplate, **Database:** PostgreSQL.

- **Sales Purchase Management System (SPMS)** *[OOCL]*

    Backend: ASP.NET Core Web API, Entity Framework Core, **Frontend:** Angular, **Database:** PostgreSQL

- **Weight Management System (WMS)** *[OOCL]*

    Backend: ASP.NET Core Web API, Entity Framework Core, **Frontend:** Angular, **Database:** PostgreSQL.

PUBLICATIONS	IoT PROJECTS
- An Explainable Transformer-based Model for Phishing Email Detection: A Large Language Model Approach. - ExplainableDetector: Exploring Transformer-based Language Modeling Approach for SMS Spam Detection with Explainability Analysis. - Explainable Email Spam Detection: A Transformer-based Language Modeling Approach. - Cyber-Attack Detection Through Ensemble-Based Machine Learning Classifier. - The Efficacy of Deep Learning-Based Mixed Model for Speech Emotion Recognition. - Gender and region detection from human voice using the three-layer feature extraction method with 1D CNN. - Gender Recognition from Human Voice using Multi-Layer Architecture.	**Real-time river water quality monitoring system** Using Arduino, Sensors, Thingspeak cloud platform **Smart irrigation with IoT.** Using Arduino, Sensors, Thingspeak cloud platform **Line Follower Robot** Using Arduino, Sensors

REFERENCES

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