ABU SUFIUN

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SUMMARY

I am an expert in RESTful API, Laravel and React, along with a deep understanding of database management systems, including complex queries and database design. Excellent in managing intricate, complex projects, as well as in architecture design and implementations. In-depth knowledge of programming and problem-solving. With experience as a Developer, Instructor & Researcher. I also have proficiency in AI & Machine Learning.

SKILLS

RESTful API, Laravel, React, Bootstrap, Tailwind CSS, MS-SQL, Oracle, My-SQL, OOP, PHP, JavaScript, C, AI, ML

EXPERIENCE

Application Development Officer

Hop Lun   **May 2023 - Present, ST Tower, East Gazipura, Dhaka**

• Top leading global fashion lingerie and swimwear company based in Hong Kong. Since 1992.
• Implementing business and production analysis applications & ERP systems to increase company efficiency.
• Conducted thorough testing and troubleshooting to ensure seamless functionality of applications and systems.
• Maintain server to deploy application and databases also Integrate different types of scanning device with ERP system.
• Working with different types of department planning, production, merchandising, swing, cutting, packing, ticketing, GGT, warehouse, HR, sample.
• Software uses SolarWinds IT Service Desk Software, Fast React Plan, Tableau, AIO etc. to trac record product, production, shipment etc.
• Collaborated with cross-functional teams to successfully deploy and integrate scanning devices with the ERP system, optimizing operational workflows.

Lecturer - Department of Computer Science and Engineering

Daffodil International University   **June 2022 -May 2024, Ashulia, Dhaka**

• Conducting classes and implementing Object-Based Education system also developer member of online- learning system.
• Published high impact full research papers and Advising students and conducting research.
• Integrated e-learning platforms into curriculum, enhancing accessibility and interaction for all students.
• Take courses OOP, C programming, Database, Web Development, Application Development
• Programming & Problem-Solving Lab-in-charge conducts different types of programming contest.

PROJECTS

Project Management System   **May 2024 - May 2024**, **Hop Lun Bangladesh**

• Developed a project management system with React for the frontend and a Laravel RESTful API for the backend.
• Implemented user registration and login using Laravel Sanctum for secure API authentication.
• Enabled users to create projects, assign priority levels, and set status labels.
• Each project supports multiple tasks, which can be assigned to different users.
• The project list includes a summary of the total number of tasks and the number of completed tasks.
• Added search functionality for projects and tasks, with pagination and robust error handling for a fast and smooth user experience.

Style Analysis Efficient Swingline Planning   **January 2024 -May 2024, Hop Lun Global**

• Similarity Analysis Between different swing styles and process also machine change over and generate auto planning for swing line.
• Increase Full production efficiency 30-45%, by make stable the efficiency - target curve
• Optimal production line loading sequences and swing planning through style matching results in enhanced productivity and output.
• Optimize the allocation of resources, including machinery and manpower, by effectively planning production loads based on style matching matrices.
• technology use Laravel, Bootstrap, JavaScript, MS-SQL, with optimal cash management to reduce API call and make faster the application

Multi Store Inventory Management System   **May 2023 - July 2023**, Hop Lun Bangladesh

• That can handle multiple factory sub-stores inventory from one application.
• Use: Object-oriented PHP, Bootstrap framework, AJAX, and JavaScript.
• Different level authorization and authentication level
• Keep track buy and sell price and lot numbers and return policy
• generate finance report employee, department, stores and companies

Logistics Management Systems   **September 2023 - December 2023**, Hop Lun Bangladesh

• keep track of cost and available balance and shipment. To calculate factory cost and budget.
• made with Laravel, MS-SQL, IIS, Bootstrap
• maintain the commercial, audit, CAPEX, Banks TT Balance reports maintain huge amount data with yajra-datatable

EDUCATION

Bs.c. in Computer Science and Engineering (2017- 2021)
Daffodil International University
CGPA: 3.80 in the scale of 4

Higher Secondary School Certificate (2014-2016)
Major General Mahmudul Hasan Adarsha College
CGPA: 4.92 in the scale of 5

Secondary School Certificate (2012-2014)
Dighulia Shahid Mizanur Rahman High School
CGPA: 5.00 in the scale of 5

CERTIFICATION

Building Database Applications in PHP
University of Michigan • 2022
• Configure different Database connection with PHP

System Administration and IT
google Coursera • 2022
• Windows server and domain synchronization

Database Management Essentials
University of Colorado System • 2022
• Complex query and database design

PUBLICATION

An AIoT-based hydroponic system for crop recommendation and nutrient parameter monitorization Q1 Elsevier journal - Smart Agricultural Technology Volume 8, August 2024, 100472

Exploring the Relationship between Cardiac Disease and Patterns of 12-Lead Ecg Through Neural Network: A Comprehensive Review *Heliyon Journal - SSRN:http://dx.doi.org/10.2139/ssrn.4464737*

A Novel Approach of CNN Patterns Extraction for Bangla Handwriting to Bangla Braille Notation International Journal of Engineering Advanced Research, *[S.l.], v. 3, n. 3, p. 1-15, dec. 2021. ISSN 2710-7167.*

Automatic Bengali Number Plate Detection and Authentication using YOLO -V4 and YOLO-V5 *International Conference on Computer and Information Technology (ICCIT) (pp. 1-6). IEEE.*

TRANING

Business Analysis & Process Management (Jul 23 - Aug 23)
Hop Lun Apparel Limited - ST Tower, East Gazipura
• RND Company's business policies and leverage ERP modules to optimize production

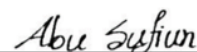**Project Design and Management Course Outline** (Jun 22 - Jul 22)
Daffodil International University - Ashulia, Dhaka
• Enhancing the Learning Curve in Project and Team Management

Teaching Apprentice Fellowship (Jan 20 - Aug 21)
Daffodil International University - Ashulia, Dhaka
• Mentorship & Leadership Development of students.

REFERANCE

Dr. S.M. Aminul Haque
Associate Professor and Associate Head
Department of Computer Science and Engineering,
Daffodil International University, Bangladesh
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Email: aminul.cse@daffodilvarsity.edu.bd

DECLARATION

I certify that the above information is true and accurate to the best of my knowledge. I acknowledge that providing false information may result in disqualification from any benefits.

Abu Sufian
Signature...