Aleya Nur Mohol Siddika

Contact

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Languages

- English – Professional
- Finnish – Beginner
- Native language – Bengali

Technical Skills

Strong Knowledge

- Python
- Machine Learning
- Natural Language Processing
- TensorFlow
- Scikit-learn
- Vader
- TextBlob
- Django
- Express.js
- Javascript
- PHP
- Laravel
- MySQL
- MongoDB
- Microservice
- Problem Solving
- Web development
- Docker
- Kubernetes
- Git

Career Summary

I am a curious learner and tech enthusiast with around 6 years of professional experience in delivering splendid app development and troubleshooting. Proficient in tech solution with a solid foundation in deploying scalable distributed systems, data-driven analysis, and machine learning research.

Experience

Research Publications

- Accepted for publication in **ICACIn 2024 Conference:** Student Opinion Mining to Explore Mental Workload and Technological Adoption: A Sentiment Analysis Study
- In submission process to **Jounral (International Journal of Human-Computer Studies | ScienceDirect.com):** Student Opinion Mining for Mental Workload Detection Using Machine Learning
- Published master's thesis in OuluREPO (https://urn.fi/URN:NBN:fi:oulu-202410176378)

University of Oulu

Internship || June 2024 – July 2024

- **Main Tasks:** Literature Review | Identifying and selecting literature for Systematic Mapping Study (SMS) | Screening of Articles | Quality Assessment | Snowballing | Documenting the results
- **Supervisor:** Arif Khan, Associate Professor, University of Oulu.

Interlink Techsoft Ltd

Tech Lead || October 2022 – August 2023

- Worked on Library Research and Archive Management System of the **Parliament** of Bangladesh Government.
- Provided **architectural solutions** for complex business logic in distributed systems.
- Managed **microservices** development, ensuring efficient projects which are used by the **67 districts**.
- Collaborated across teams, achieving project milestones and delivering high-quality software solutions.

Nexus Lab

Backend Engineer || November 2020 – September 2022

- Indexed field to fetch data of users to reduce the fetching time which is 0.881s.
- Working on a payment platform based on **blockchain technology**.
- Provided Rest API for multiple **microservice** using NodeJs to build apps developed in flutter and also in MLM projects.
- Worked on an escrow platform based on cryptocurrency.

Toiree Software and E-commerce

Software Engineer || November 2017 – October 2020

- I managed administrative tasks by developing a PHP-based custom rating calendar for hotel rooms, **reducing manual work** by 85% with 100% data accuracy.
- Build software writing clean and reusable code for hotels using Laravel to manage all their facilities and digitalize their manual process.

MCC LTD

Trainer || July 2018 – November 2018

- **Trained** and handled all the students of different ages in a government project.

Industry Knowledge

- Node.js
- Express.js
- MongoDB
- Laravel
- PHP
- Microservice
- MySQL
- Vue.js
- Ajax
- jQuery,
- HTML
- CSS
- Bootstrap
- Jira
- Trello
- Agile
- Scrum
- Slack
- Docker
- Redis
- Azure
- AWS
- Cpanel
- Heroku
- DigitalOcean.

Knowledge

- C++
- IoT
- MQTT
- Raspberry pi
- Jetson Orin

Education

- MSc in **Software Engineering and Information System** || Duration: 2023-2024 || CGPA: 4.08 out of 5 || **University of Oulu** (Oulun yliopisto), Finland
- BSc in **Software Engineering** || Duration: 2013-2017 || CGPA: 3.69 out of 4 || **American International University-Bangladesh**

Certification

- Birmingham City University **Speakers Certificate** - presented at **the 4th International Conference of Advanced Computing and Informatics IICACIN 2024)**
- REBOOT Skill Program "Synchronising **Digital and Physical Twins** ", University of Oulu Skills Project
- **Python, Problem Solving, SQL,** HackerRank
- **Linux Essentials course,** Cisco Networking Academy
- **IELTS,** IDP, Bangladesh

Special Achievements

- **Volunteer** at Cyber Thread Readiness for Bankers in 2017 at BIBM
- **Teachers Training workshop** organized in 2018 by Rise Up Lab

References

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