

FARRUCK AHAMED TUSAR

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 Hufnagelstr. 12, 60326, Frankfurt am Main, Germany  DOB : 03/08/1994 | **Gender** : Male | **Nationality** : Bangladeshi

Computer Science graduate pursuing a Master's degree at the Technical University of Chemnitz, with a demonstrated history of working in the software industry. Strong engineering professional experience in Java, Python, PHP, JavaScript, and other web technologies. Skilled in CI/CD tools such as Docker, Docker Compose, Bash scripting, and Run-deck for streamlined software delivery.

EDUCATION

2019 - Current **Master in Automotive Software Engineering**, Technische Universität Chemnitz, 09111 Chemnitz, Germany
2012 - 2017 **Bachelor in Computer Science and Engineering**, United International University, Dhaka, Bangladesh

EXPERIENCE

Current January 2022	WORKING STUDENT, SOLACTIVE AG, FRANKFURT, GERMANY <ul style="list-style-type: none">> Improvement of existing processes written in Python> Write bash scripts for manual processes and automate them in run-deck jobs> Containerize the existing processes using docker/docker-compose INTERNSHIP, SOLACTIVE AG, FRANKFURT, GERMANY <ul style="list-style-type: none">> Provide regulatory documents e.g. factsheet, custom opening/closing files for different indices> Regular improvement of the existing processes (identifying deprecated methods or classes, finding alternatives, updating the code, testing the code)> Follow agile Kanban methodology <div>Java Python Docker Docker-compose Agile</div>
January 2022 March 2021	WORKING STUDENT, LANGE + REBSCH GROUP GmbH, CHEMNITZ, GERMANY <ul style="list-style-type: none">> Improvement and continuous development of e-commerce platforms using PHP Symfony> Created custom components using Flynt and WordPress> https://www.liebelei.me/ <div>PHP Symfony MySQL WordPress Flynt</div>
March 2021 August 2019	WORKING STUDENT, MX-SHOP IHLE, MARIENBERG, GERMANY <ul style="list-style-type: none">> Worked as a full-stack web developer> Developed an e-commerce shop using WordPress.> https://motocross-xxl.de/ <div>PHP JQuery MySQL WordPress</div>

JOB-RELATED SKILLS

Programming :	Java, Python, PHP, Javascript, HTML5, CSS3
Frameworks :	Spring, PySide6, PyQt, Symfony, Codeigniter, Bootstrap
Databases :	MySQL/MySQLi, SQLite, MongoDB
CMS :	WordPress
Development Tools :	Git, Jira, Confluence,
Operating Systems :	Mac OS X, Windows, Linux
Others :	LaTeX, Office Package(Word, Excel, PowerPoint), Google Analytics, Pixels for tracking
Studying :	OpenCV, CNN Algorithm, React Hooks, Matlab, Docker, Docker Compose
Enthusiastic :	ML/DL, OOP, Algorithm, Data Structure, Leadership

LANGUAGE SKILLS

Deutsch (A2) ● ● ○ ○ ○
English (C1) ● ● ● ● ○
Bengali (Native) ● ● ● ● ●

RESEARCH OF INTEREST

- > Machine/Deep Learning
- > Computer Vision
- > Internet of Things (IoT)

ACADEMIC RESEARCH

1. **AI Based Video Processing Software Application** - Currently doing my master thesis on the topic "Design and Implementation of AI-Based Video Processing Software Application", which is a desktop application developing from scratch in Qt for Python (PySide6).
2. **Algorithms for Automatic Parking** - Recently done some scientific paper research on different algorithms of automatic parking.
3. **Depth Estimation from Monocular Camera based on Convolutional Neural Networks** - Some course research in Computer Vision Systems with deep learning algorithms.
4. **Bangla Keyboard Layout optimization using Ant Colony Algorithm** - It was my undergraduate thesis title where I proposed a local search algorithm for finding the optimal layout for Bangla Keyboard and performed analysis of existing Bangla Keyboard Layouts.

HONOURS AND AWARDS

Received scholarships based on the pre-trimesters academic result for 8 semesters (out of 12 semesters) at United International University during my bachelor program.

VOLUNTEERING EXPERIENCES

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| 2015 | Worked as an organizer of "UIU Intra University Programming Contest Summer'15" |
| 2015 | Participated in app boot camp of "EATL Prothom Alo Apps Contest 2015" |
| 2014 | Volunteered in 8th international conference on "Software, Knowledge, Information Management and Applications (SKIMA 2014)" |
| 2014 | Certificate of achievement for the design sprint in "GDG Devfest 2014" |
| 2014 | Successfully completed the mobile application development workshop organized by the Ministry of ICT (MoICT) |
| 2013 | Participated in "GDG DevFest Hackathon 2013" as volunteer organized by Google Developer Group (GDG) and Access to Information (a2i) |

REFERENCES

Jürgen Lange

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Dr. Salekul Islam

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