

# S M Raihan Gafur

+358 41 729 5753 | [raihan.gafur@aalto.fi](mailto:raihan.gafur@aalto.fi) | [LinkedIn](#) | [Github](#) | [LeetCode](#) | [Web](#)

## EDUCATION

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**Master of Science in Machine Learning, Data Science and Artificial Intelligence** Sep 2023 - PRESENT

Aalto University

Espoo, Finland

Courses: Artificial Intelligence, Federated Learning, Deep Learning

**Bachelor of Science in Computer Science and Engineering** May 2016 - Apr 2020

American International University - Bangladesh (AIUB)

Dhaka, Bangladesh

CGPA: 3.90 / 4.00

Courses: Programming, Database, Data Structure, Algorithms, Web Development, Artificial Intelligence, Computer Networks, Human Computer Interaction

Thesis: [Secured Question Paper Management System](#)

**Student Exchange Delegate** Oct 2019 - Nov 2019

Hunan University of Humanities, Science and Technology (HUHST)

Hunan, China

## RESEARCH INTERESTS

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- Machine Learning, Deep Learning, ML/DL in Gaming / Hardware / Healthcare / Decentralized Systems
- Data Science, Data Analysis, Data Engineering
- CyberPsychology, Human-Computer Psychology

## PUBLICATIONS

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### **Book Chapter:**

Bhowmik, A., Gafur, S. R., Rafid, A., Azad, S., Mahmud, M. and Kaiser, M. S. (2021). [User Awareness for Securing Social Networks](#), in *Securing Social Networks in Cyberspace* (pp. 3-15). CRC Press. ISBN: 9781000463323

### **Journal Paper:**

Rahman, S. T., Iftekhara, M. N., Alam, R., Gafur, S. R. and Nandi, D. (2021). [Secured Question Paper Management System](#). *AIUB Journal of Science and Engineering (AJSE)*, 20(1), 25-32. DOI: <https://doi.org/10.53799/ajse.v20i1.121>

### **Survey Research Article:**

Gafur, S. R. and Shawon, M. T. H. (2021). [Determination of Causes of Deaths by Verbal Autopsy \(VA\)](#). *Bangladesh Bureau of Statistics*

## ONGOING RESEARCH WORKS

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- Machine Learning and Deep Learning in Healthcare Systems (under the supervision of [Abhijit Bhowmik](#), Associate Professor, American International University - Bangladesh)
- Dhaka's Air Index Prediction using Machine Learning (under the supervision of [Mohammed Saef Ullah Miah](#), PhD Researcher, Universiti Malaysia Pahang)

## HONORS AND AWARDS

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- The Duke of Edinburgh's International Award
- Magna Cum Laude Distinction
- Dr. Anwarul Abedin Leadership Award (Acknowledgement of the leadership qualities, along with the outstanding efforts and volunteering contributions towards the alma mater)
- Achieved Dean's List Honors and scholarship from AIUB for the meritorious result
- Champion in ICT Olympiad (Senior Level) at BUP National Techsurge 2019
- 2nd Runner Up in ICT Olympiad (Senior Level) at JU National CSE Fest 2019

## PROFESSIONAL EXPERIENCES

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### Junior Software Developer

May 2024 - Jun 2024

#### EpicMeets

Express.js · Node.js · PostgreSQL · Prisma · Heroku · React.js · Socket.io

- It is a research to business (R2B) project of Aalto University
- Worked in the both backend and frontend development of epicMeets (Interactive Meeting Enhancement Platform)

### Software Engineer

Apr 2023 — Sep 2023

#### Riseup Labs

Express.js · Node.js · MongoDB · Mongoose · Amazon S3 · Amazon EC2 · Firebase

- Worked in the backend development of Jeeto.Online (Gaming Platform)

### Junior Software Engineer

Sep 2022 — Mar 2023

#### ShellBeeHaken

Express.js · Next.js · Node.js · React.js · MongoDB · Mongoose

- Worked in the fullstack development of Mapage (Barber Booking and Reservation Platform) and frontend UUORK (Project Management System)

### Javascript Developer

Jun 2022 — Aug 2023

#### DeliveryHobe

Sep 2022 — Mar 2023 (Part-Time)

Express.js · NestJS · Node.js · PostgreSQL · TypeORM · Docker

- Worked in the backend development of Deliveryhobe (E-Commerce) and AdsHobe (B2B Platform for Ads)

### Co-Founder and Software Engineer

Dec 2020 — Feb 2022

#### Porte Chai

Express.js · NestJS · Node.js · PostgreSQL · TypeORM · Socket.io · Amazon EC2 · Docker

- Worked in the backend development of Porte Chai (EdTech Platform)

### Teaching Assistant

Sep 2019 – Dec 2019

#### American International University - Bangladesh (AIUB)

- Developed an intern portal website for CS students
- Helped supervisor in his academic works

## TECHNICAL SKILLS AND LANGUAGE PROFICIENCY

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**Programming Languages:** C/C++, Java, Python, JavaScript, TypeScript, SQL (PostgreSQL, MySQL)

**Frameworks and Libraries:** Nest.js, Node.js, Express.js, Next.js, React.js, WordPress, Socket.io, Prisma, TypeORM, Objection.js, Knex

**Tools:** Overleaf, Mendeley, Docker, AWS EC2, AWS S3, Postman, Insomnia, Jupyter

**ML Libraries:** Pandas, NumPy, Matplotlib

**Languages:** English, Bengali, Hindi

## SELECTED EXTRACURRICULAR ACTIVITIES

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### President

Feb 2020 – May 2021

#### AIUB Computer Club

- Organized 10+ webinars for the students of the department
- Organized online member recruitment for ACC
- Organized Jarvis 2.0 - Intra ACC Carnival 2020

### Convener

May 2020 – Jul 2021

#### BASIS Students' Forum AIUB Chapter

- Coordinated BASIS Students' Forum (the largest IT students' community of Bangladesh) and the department of CS, AIUB
- Coordinated NASA Space App Challenge 2020 in AIUB

## REFERENCES

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### **Alex Jung** (Course Teacher)

Associate Professor

Aalto University

Email: [alex.jung@aalto.fi](mailto:alex.jung@aalto.fi)

### **Nikolai Denissov** (Senior in the last workplace)

Software Developer / Scrum Master

Aalto University (Project: EpicMeets)

Email: [nikolai.denissov@aalto.fi](mailto:nikolai.denissov@aalto.fi)