Supta Richard Philip

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🌐 https://suptaphilip.github.io/ • in suptaphilip • ⊙ suptaphilip

A Computer Science Graduate from university of Trento, Italy, now working as a Lecturer in American International University-Bangladesh, Dhaka, Bangladesh who have strong research skills in Software Engineering, Human Computer Interaction (HCI), Artificial Intelligence focusing on Machine Learning.

Professional Experience

American International University-Bangladesh(AIUB)   **Dhaka, Bangladesh**
Lecturer   *September 2019– Till*
🐘 http://www.aiub.edu/
Prepare lecture materials and conducting courses namely Data Structure, Algorithm, Artificial Intelligence, C++, Python, Network Security, Operating System, Compiler Design, Object Oriented Programming(Java), Software Engineering.

City University   **Dhaka, Bangladesh**
Lecturer   *August 2018– August 2019*
🐘 http://www.cityuniversity.edu.bd/
Prepare lecture materials and conducting courses namely Data Structure, Numerical methods of analysis, Discrete mathematics, Artificial intelligence (AI), System Analysis and Design.

Hesburger Ltd.   **Dhaka, Bangladesh**
Program Designer   *March 2009–August 2010*
Supervisor:Tuomas karkkainen ✉ Email : tuomas.karkkainen@gurulogic.fi 🐘 www.hesburger.fi
Analysis applications requirements, design database, writing technical documents, coding, fixing bugs and worked as LAMP stack developer.

Education

Academic Qualifications

University of Trento   **Trento, Italy**
M.Sc.in Computer Science , Result: 90 (out of 110)   *2010–2013*
Thesis: **Smart Cafeteria Adaptive And Interactive Mobile Application** Adviser: Antonella De Angeli
Resources: http://suptaphilip.github.io/Master-Thesis/

American International University-Bangladesh   **Dhaka, Bangladesh**
Computer Science & Engineering, GPA: 3.75 (4.0 scale)   *2003–2007*
Thesis: **Autonomous Robot Navigation Using Optical Mouse-based Odometry, Line Following and End Of Line Detection.** Adviser: Shakil Mahbubul Huq
Resources: https://github.com/suptaphilip/Bachelor-Thesis

Publications

Conferences

- *Sabbir M. Saleh, Supta Richard Philip* **Students Evaluation in AGILE After Completing Software Engineering Course.** ,ICASERT-2019, Dhaka, Bangladesh.
- *Sabbir M. Saleh, Supta Richard Philip* **Agile Understanding Analysis and Comparison Through**

Students Evaluation. ,ICCIKE-2019,Dubai, United Arab Emirates.

o *Sabbir M. Saleh, Supta Richard Philip* **Proposed Service Oriented Architecture for the Inheritance Web App of Bangladesh.** ,ICCAKM-2020, Dubai, United Arab Emirates.

Book Chapter

o *Gomes, D., Hasan, M. M., Philip, S. R.* **Enhancing capabilities and security features of drone networks through machine learning: A comprehensive overview.** *Springer Nature (2024, September).*
https://doi.org/10.1007/978-3-031-80961-3
https://link.springer.com/book/9783031809606

Book

o *Supta Richard Philip, Amlan Chowdhury, Tohedul Islam.* **Autonomous Robot Navigation system And Line Following Robot.** *LAP LAMBERT Academic Publishing (May 7, 2012), ISBN-13: 978-3659108556.*

Teaching and Supervised Undergraduate Thesis

Courses Conducted

o **Programming Language (C , C++).**
o **Discrete mathematics, Data Structure(C++)**
o **Artificial intelligence (AI), Numerical methods of analysis(matlab)**
o **System Analysis and Design, Software Engineering(UML and Java)**
o **Object oriented programming-Java (J2SE), Advanced Java (Java EE)**
o **Computer Network, Network Security, Operating System.**

Supervised Thesis

o **Bengali Handwritten Digit Recognition Using Convolutional Neural Network – CNN** Submitted by A S M Humaun Kabir(ID: 151382304) and Sarmin Sultana(ID: 151382317)
This goal of this project is implemented a model based on convolutions neural network(CNN) for recognizing Bengali handwritten digit.

Academic Awards

o Full Academic Scholarships for Masters of Science which includes the full waiver of the tuition fees and covers living expenses for full 2.5 years. Awarded by:Opera Universitaria di Trento, Provincia Autonoma di Trento, Italy. University of Trento.

Technical skills and Expertise

o **Operating systems:** macOS, Linux, Windows.
o **Programming Languages:** Java, C++, Python, Matlab.
o **Databases:** MySQL, SQLite, Oracle, SQL Server.
o **Technologies:** JSP, Servlet, Tomcat server, Eclipse, git(Version Control), Docker, Apache Spark, Data Analysis Python libraries(pandas, NumPy, SciPy, Matplotlib), Mendeley(Reference Management Software), LaTeX.

Professional Training and workshop

Academic Workshop

o Workshop on integration of UGC guided courses and outcome based curriculum organized by CSE Department, City University and Institutional Quality Assurance cell(IQAC) at 22 September, 2018 in City University Seminar Room.

Online Certification

- Complete Java Masterclass course from udemy covered topics of Java 8, OOP .
- Object Oriented Design offered by University of Alberta from coursera covered topics of UML, OOP.
- Java Programming: Solving Problems with Software by Duke University from coursera.
- Algorithmic Toolbox by University of California San Diego from coursera.
- Data Structures and Performance by University of California San Diego from coursera.

Language Proficiency

- English (Fluent Working Proficiency)
- Bangla (Native Language)

References

- **Antonella De Angeli**
  Associate Professor of Human-Computer Interaction,
  Department of Information Engineering and Computer Science,
  University of Trento, Italy.
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  🌐 : http://disi.unitn.it/~deangeli/homepage/doku.php

- **Khandaker Tabin Hasan**
  Associate Professor,
  American International University - Bangladesh.
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  University of Trento.
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