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# RIFFAIE FATHAN B RAHIM

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## OBJECTIVE

To gain experience and knowledge in the tech industry while contributing to a company with relevant skills.

## EDUCATION

2020 – Present  
Graduating May 2024

### Diploma in Biomedical Engineering | Temasek Polytechnic

Completed modules in:

- Computer Programming for Problem Solving
- Digital Fundamentals
- Engineering Mathematics
- Microcontroller Applications
- Data Visualization and Analytics
- Human Anatomy and Physiology
- Medical Imaging and Informatics

Cumulative GPA: 3.84

2015 – 2019

### GCE 'N' Level Certificate | Damai Secondary School

## PROJECTS

2023

### Temasek Polytechnic | National University of Singapore

- Collaboration with NUS MD6 iHealthTech in developing anti-IL11 antibody (X203) Layer-by-Layer (LbL) Nanoparticles to achieve Prolonged Sustained Released Effects for Therapeutic Applications.

## WORK EXPERIENCE

2023 – Present

### iHealthtech, National University of Singapore

- Aid in the design and development of mRNA and insulin-loaded liposome Layer-by-Layer (LbL) Nanoparticles to achieve Prolonged Sustained Released Effects for Therapeutic Applications.
- Researched and conducted additional studies towards developed Layer-by-layer (LbL) Nanoparticles.

## SKILLS

### TECHNICAL SKILLS

- Develop programs using Python and C programming to solve technical problems and issues.
- Use test equipments such as oscilloscope and functional generator to monitor electrical signals.
- Design circuits and schematic layouts using EAGLE software.
- Design microfluidic devices and schematic layouts using LIBREcad software
- Perform troubleshooting of circuits in electrical devices.
- Build interface circuits between microcontroller and input-output devices.

- Proficient in data visualization and analysis using Tableau and Knime software

#### GENERIC SKILLS

- Proficient in Microsoft Office Suite (Word, Powerpoint and Excel).
- Fluent in spoken and written English and Malay.
- Meticulous attention to details.
- Adaptable in ever-changing work environments.
- Positive working attitude.

#### AWARDS/ACHIEVEMENTS

2023	Award's for Excellence 2023 – Director's List Award
2019	Edusave Achievement Award   Obtained 5 Distinctions in N'Levels
2018	Edusave Merit Bursary Award
2017	Edusave Merit Bursary Award
2016	Edusave Merit Bursary Award
2015	Edusave Merit Bursary Award

#### LEADERSHIP

2022	Class Sports Representative in Temasek Polytechnic
2019	Vice-Chairperson for Values-In-Action Projects for Damai Secondary School

#### CO-CURRICULAR ACTIVITIES

2019	Art Club   Damai Secondary School
2018	Handball Nationals Boys Competition (2 <sup>nd</sup> Runner-Up)

#### VOLUNTARY WORK

2022	Youth Corps Singapore   Volunteer Facilitator for Coding Games for Kids
2019	Bedok PCF Sparkletots Preschool   Taught and Read for the pre-schoolers
2018	National Kidney Foundation   Prepared and Distributed daily necessities

**REFERENCES:** Available on request