

ABHI
04/08/2023

NAME ABHINESHWARY A/P BHALRAJ
ADDRESS 3-12, PANGSAPURI SERI CEMERLANG,
JALAN KAMPUNG PAYA,
12200, BUTTERWORTH,
PULAU PINANG, MALAYSIA.
CONTACT NUMBER +6016 4801 656
E-MAIL ADDRESS abhineshwary695@yahoo.com
AGE 28 years old (DOB: December 6th, 1995)



Objective

An enthusiastic, dedicated, and versatile recent young graduate with a good academic background, and excellent attitude to work, looking to secure a brand-new opportunity in an innovative and friendly workspace, where I can utilize my soft skills and in-depth knowledge of my related field of studies in Mathematics.

Academic Qualifications

Universiti Sains Malaysia (USM) September 2020 – expected Dec 2023

- Doctor of Philosophy (PhD) in Mathematical Modelling (ongoing)
- Completed my thesis writing and currently waiting for my viva presentation date

Universiti Sains Malaysia (USM) September 2018 – June 2019

- Master of Science in Mathematics (Mixed Mode)
- CGPA of 4.00/4.00
- Dean List's Award for 2 consecutive semesters

Universiti Sains Malaysia (USM) September 2014 – June 2018

- Bachelor of Science in Mathematics (Honours)
- CGPA of 3.70/4.00
- Dean List's Award for 6 consecutive semesters
- Relevant subjects: Mathematical Foundations, Calculus, Linear Algebra, Elementary Statistics, Differential Equations, Introduction to Operations Research, Probability Theory, Introduction to Modelling, Introductory Numerical Methods.

Kolej Matrikulasi Perak (KMPk) May 2013 – April 2014

- Foundation in Science
- Module 1 (Biology, Chemistry, Physics, Mathematics)
- CGPA of 4.00/4.00
- Malaysian University English Test (MUET): Band 3

SMK Dato'Onn Butterworth (SMKDOB) January 2008 – December 2012

- Sijil Pelajaran Malaysia (SPM)
- Results: 9A's [Bahasa Melayu (A), Bahasa Inggeris (A+), Pendidikan Moral (A+), Sejarah (A), Mathematics (A+), Additional Mathematics (A+), Physics (A-), Chemistry (A), Biology (A-)]

Research Publications

- Bhalraj, A., Azmi, A. & Mohd, M. H. (2021). Analytical and Numerical Solutions of Leptospirosis Model. *International Journal of Mathematics and Computer Science* **16** (3), 949-961.
- Bhalraj, A. & Azmi, A. (2021). Modelling Significant Effect of Public Health Interventions on COVID-19 Transmission. In: Agarwal, P. Nieto, J. J., Ruzhansky, M. & Torres, D. F. M., (eds). *Analysis of Infectious Problems (COVID-19) and Their Global Impact*. Infosys Science Foundation Series. Springer, Singapore. 483-506.
- Bhalraj, A. & Azmi, A. (2019). Mathematical Modelling of the Spread of Leptospirosis. In: AIP Conference Proceedings, **2184** (1), 10-12 December 2018, Penang, Malaysia. 1–10.

Working Experiences

Mathematics Tutor for UPSR, PT3, and SPM students

July 2017 - Till date

- Assist students to better understand Mathematics by presenting multiple examples, encouraging collaboration on alternative solutions, and finish class with effective summary.
- Worked at Suka Excel Tuition Centre, Butterworth from January 2020 to February 2020.

Intern at ICT Sector, Penang Education Department

June 2017 – August 2017

- Involved in report writing entitled ‘A Study on the Usage of Virtual Learning Environment (VLE)’, conducted a survey for school teachers and students using Google forms, integrated theory learned with practice, adapted to the real working life which indirectly boost my skills in research for case studies as well as problem in industrial practice, and developed my communication and interpersonal skills.

Sales Promoter at Billion Butterworth, Penang

May 2014 – July 2014

- Involvement with staff and public in a variety situation enable me to develop my communication, persuasive, and influencing skills and as well as, involved in writing a month end report.

Extra Co-Curricular Activities

Facilitator of Love SKCPT – Calcophilic Programme 2017 at SK Convent Pulau Tikus

- Actively involved in organizing Mathematics related games that can make the students fall in love with Mathematics

Volunteer of USM Freshman Orientation Camp 2016 at USM

- Welcome and engaged with new students during the orientation process, facilitated a safe, fun, and inclusive campus environment, and as well as provided mentorship and support for the new students.

Facilitator of Math Reach Out Programme 2016 at SMKA AI – Mashoor (Lelaki)

- Organized Mathematics related games that can help the students develop a deeper understanding of Mathematics concepts and improve their problem-solving skills.
- Chosen to give a talk to motivate the students to love Mathematics.

Treasurer of Math Quiz Event 2016 and Deepavali Night Event 2015 at USM

- Managing the receipts, monitored the expenses of the event, and presented a financial report at the AGM.

Scout (Kumpulan Latihan Kelanasiswa Malaysia) 2014 & 2015 at USM

ABHI

04/08/2023

- Learnt survival skills and first aid, developed teamwork, leadership, and time management skills, and as well as experienced adventure and charity activities.
- Received Wooden Badge Award.

International Exco of Saujana Residential Hall Students' Council 2014 & 2015 at USM

- Organized events that practice multicultural exchange between countries among local and international students at USM.
- Secretary of Friendship, Cultural, and Sustainability Tour Programme 2015 to Melbourne, Australia, where we had a series of round table discussions on sustainability, entrepreneurship, and conducted visits to two of the universities and few places during our one-week tour.

Skills and Abilities

- Produced a final year project and master's dissertation guided by Dr Amirah Azmi.
- Well-versed in visual communication using graphs, charts, statistical analyses, and scatter plots and good in computer skills (e.g. MS Word, Excel, Powerpoint, Visual C++, MatLab, Mathematica, SPSS, Minitab, JMP, and Prolog).
- Fluent in writing and speaking in English and Malay, and able to speak in Tamil.
- Good interpersonal understanding and communication skills.
- Able to work independently and a very good team player.
- Quick to learn and willing to adapt to any job.
- Cognitive abilities.

Community Involvement

- Volunteer Tutor of USM Education Ambassador Community Enrichment programme in collaboration with Tzu Chi Penang Organization to help children from underprivileged families since June 2023.

Referee

Name:	Dr. Amirah Azmi
Position:	Senior Lecturer
Company:	Universiti Sains Malaysia
Contact details:	School of Mathematical Sciences, Universiti Sains Malaysia, 11700 Gelugor, Penang, Malaysia. Contact number: (+6)046532671 Email address: amirahazmi@usm.my
Relationship with applicant:	Supervisor-Student