Rujhan Najib

(+1) 814-441-4216 | mrujhann@gmail.com | www.linkedin.com/in/rujhan-najib | github.com/rujhannajib

EDUCATION

The Pennsylvania State University — State College, PA
Bachelor of Science in Computer Science (Minor in Mathematics) — *Aug. 2022 – May 2026*
- *Cumulative GPA*: 3.79/4.00 | *Honors*: Dean's List (all semesters), Tau Beta Pi

EXPERIENCE

Machine Learning Research Intern — May 2025 – July 2025
National University of Singapore — *Singapore*
- Conducted a research on improving feature engineering using genetic programming on classification problem.

Machine Learning Engineer Intern — Jan 2025 – May 2025
NittanyAI Advance — *State College, PA*
- Fine-tuned Vision Transformer (ViT) models on PlantNet-300K and iNaturalist datasets; published models on Hugging Face.
- Designed and optimized a scalable machine learning pipeline for image classification using iNaturalist Open Data, improving data preprocessing, model training, and evaluation to ensure efficiency and reproducibility.
- Integrated Google Authentication into the company's website to enhance user access and security.

International Student Welcome Leader — Mar 2024 – Jan 2025
Penn State Global — *State College, PA*
- Provided orientation briefings to newly arrived international students, offering an overview of Penn State's campus life, academic expectations, cultural norms, and available support services.
- Led comprehensive campus tours specifically tailored to meet the needs of incoming Engineering and Computer Science students by providing insights into academic facilities, student resources, and campus culture.
- Collaborated with Penn State Global to successfully welcome and integrate over 1,350 international students by coordinating various operational activities.

Policy Research Intern — May 2024 – Aug 2024
Policy Unit, Majlis Amanah Rakyat (MARA) — *Kuala Lumpur, Malaysia*
- Co-developed advanced proficiency in data analytics tools and techniques for policy research, enhancing data-driven decision-making.
- Crafted comprehensive policies for MRSM, sponsorship programs, finance, and TVET, impacting over 150,000 students.
- Prepared and delivered detailed presentations on policy research to senior management, contributing to strategic planning and implementation.

Undergraduate Research Assistant (Viral Benchmarking Project) — Nov 2023 – May 2024
Pennsylvania State University — *State College, PA*
- Led the development of an advanced Snakemake pipeline to automate and optimize the assessment workflow for genome sequencing tools including BBMap, Seq2Mgs, and art-illumina.
- Utilized the high-performance computing resources of the university to efficiently conduct complex simulations involving 14,000 genomes.
- Collaborated with professors and graduate students, fostering a collaborative and productive research environment.

AWARDS

NittanyAI Advance Excellence Award — May 2025
Penn State NittanyAI Alliance

Paul Morrow Endowment Scholarship — Apr 2025
Penn State College of Engineering

SKILLS AND INTEREST

Languages: Malay, English, Arabic
Computing: Python, Javascript, C++, C, Java, SQL, R, Power BI, Excel, Powerpoint, Tableau, AWS, Pytorch, HuggingFace, Git, Computer Vision, Linux
Finance: Accounting