

Thaw Zin Moe Myint

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Education

King Mongkut's University of Technology Thonburi

Bangkok, Thailand

Bachelor of Science in Computer Science

Aug 2023 – Present

- **Relevant Coursework:** Machine Learning, Big Data Analytics, Statistics for Scientists, Algorithms, Linear Algebra, Calculus, Database Systems, Data Structures.
- Expected Graduation: Dec 2026

Work Experiences

Freelance Full-Stack Developer | Remote

April 2024 – Present

- Delivered multiple commercial web applications end-to-end, from architectural design to production launch, building responsive, SEO-optimized frontends with **React.js** and **Next.js**.
- Built scalable, type-safe backends and RESTful APIs using **NestJS**, **Express.js**, **PostgreSQL** and **MongoDB**.

Full-Stack Developer Intern | Doodle Company Limited

June 2026 – July 2026

- Developed Doodle Lodge, a multi-property hotel management platform (**NestJS**, **Next.js**, **TypeScript**, **Prisma**) with a direct-booking engine that bypasses OTA commissions via Stripe and Omise, and a two-way iCal channel manager syncing availability with OTAs to prevent overbookings.
- Deployed a two-service (API + web) Turborepo monorepo to **Railway** with managed **PostgreSQL** and **Dockerized** local development, and automated recurring jobs (payment reconciliation, channel sync, availability horizon) via GitHub Actions cron workflows.

Research Intern | Neuroscience Center for Research and Innovation (NX)

June 2025 – July 2025

- Conducted behavioral data analysis (ANOVA) for an ongoing adolescent attention study under Asst. Prof. Dr. Sirawaj Itthipuripat, finding that high-SES participants showed reduced incongruity effects on hit rates and growth-mindset participants had significantly faster response times.

Projects

God View AI | Python, PyTorch, YOLOv11, Telegram API

Hackathon Winner

- Developed an award-winning real-time patient monitoring prototype to address social challenges.
- Implemented YOLOv11 for high-accuracy keypoint detection and integrated Telegram API for instant alerts.

House Price Prediction | Python, XGBoost, LightGBM, Optuna

Academic Project

- Engineered an end-to-end ML pipeline with 15+ custom features and automated preprocessing.
- Implemented a Stacked Ensemble model utilizing Optuna for hyperparameter tuning on XGBoost and ElasticNet.

Bend It Right | Python, PyTorch, YOLOv11, Tkinter

Academic Project

- Built a real-time AI workout monitoring system using a fine-tuned YOLOv11 pose model.
- Curated and trained on custom annotated datasets to ensure high accuracy in pose estimation.

Competition Experience

Winner, International AI Hackathon 2025 | SIT KMUTT

2025

- Secured 1st place by developing "God View AI", a computer vision solution for healthcare monitoring.
- Press Release: sit.kmutt.ac.th/ai-hackathon-2025/

Silver Medalist, March Machine Learning Mania 2025 | Kaggle

2025

- Ranked in the **Top 3% globally** (47th out of 1,727 teams) in a predictive modeling competition.
- Developed a robust forecasting model for NCAA tournament outcomes using advanced ensemble techniques.

Skills

Programming Languages: Python (Pandas, NumPy, Scikit-learn), R, SQL, Java

ML/AI Frameworks: TensorFlow, PyTorch, XGBoost, LightGBM, Optuna, Computer Vision, Transformers

Data & Tools: Tableau, PowerBI, Excel, Git/GitHub, Kaggle, Google Colab, Matlab

Soft Skills: Strategic Problem-Solving, Team Leadership, Adaptability, Technical Communication

Spoken Languages: Burmese (Native), English (Fluent), Thai (Beginner)