

KHWANCHANOK CHUMKHUN

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PROFILE

Dynamic and results-driven IT professional with a decade of experience in the automotive industry, specializing in IT strategy, data science, and project management. Graduated with distinction in MSc Applied Data Science from the University of Essex and hold a first-class honours degree in Computer Engineering. Proven track record in leading cross-functional teams and delivering innovative automation and data analysis solutions that drive business efficiency. Adept at managing multiple high-stakes projects simultaneously and leading teams to consistently exceed expectations.

EDUCATION

MSc Applied Data Science, University of Essex (Jan 2022 – Jan 2023)

- Graduated with Distinction
- Key Projects:
 - Developed and compared machine learning models for Diabetes Diagnosis with 89% accuracy using Random Forest (in Python).
 - Conducted data analysis of Dallas Policing Dataset, revealing significant discrimination trends.
 - Predicted mortgage application approvals using Logistic Regression in R.
 - Dissertation: Created a migraine attack prediction model using Python, with an 95% accuracy rate.

Bachelor of Engineering (Computer Engineering), Rangsit University, Thailand (2008-2011)

- First-class honours, GPA: 3.89/4
 - Awarded Top Graduate in Computer Engineering
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EXPERIENCE

IT Assistant Manager, Toyota Daihatsu Engineering and Manufacturing (2020 - 2021)

- Spearheaded the implementation of Robotic Process Automation (RPA) across multiple departments, resulting in a 30% reduction in manual processing time.
- Managed a portfolio of IT projects, delivering them 15% under budget and 10% ahead of schedule.
- Trained and led a team of 8 engineers, improving team efficiency by 20%.

IT Senior Engineer, Toyota Daihatsu Engineering and Manufacturing (2018 - 2019)

- Collaborated with global Toyota affiliates to plan and deploy RPA infrastructure, optimizing resource allocation and reducing operational costs by 25%.
- Led a strategic project to enhance CAD systems, improving design accuracy and reducing errors by 10%.

Intra Company Transferee (Engineering IT Department), Toyota Motor Corporation, Japan (2017 - 2018)

- Enhanced Mixed Reality technology for vehicle development, leading to a 5% improvement in design validation speed.
- Successfully corrected a critical engine design error within the PDM system, preventing potential recall costs.

IT Engineer, Toyota Motor Asia Pacific Engineering & Manufacturing (2012-2015)

- Provided strategic IT solutions that reduced software licensing costs by 15% across the company.
- Championed the IT Helpdesk initiative, increasing resolution speed by 25%, leading to higher customer satisfaction.

TECHNICAL SKILLS

- Programming Languages: Python, R, VBA, SQL, C++, Java, C#
- Data Science: Data wrangling, Modelling, Machine Learning, Deep Learning, Exploratory Data Analysis (EDA), Data Manipulation, Data Visualization, Data Mining, Data cleaning
- Tools: MATLAB, Git, Microsoft Office, Linux, Windows Server
- Emerging Technologies: Augmented Reality, Virtual Reality, Mixed Reality
- Project Management: Agile methodologies, Cross-functional Team Leadership, ITIL

LANGUAGES

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| ▪ Thai : Native | ▪ French : Intermediate |
| ▪ English : Advanced | ▪ Japanese : Intermediat |