

Thivnesh Kumar Venugopal

UI UX Designer | Front-End Developer

Malaysia (Willing to Relocate to Kuala Lumpur) | thivnesh@gmail.com | +60 1114646174 | LinkedIn

PROFESSIONAL SUMMARY

UI/UX Designer and Front-End Developer with 3+ years of experience designing and building enterprise-grade analytics and data-driven web platforms for confidential clients (NDA) in the energy, research, and business intelligence domains. Specialised in user research, design systems, and scalable front-end architectures using modern JavaScript frameworks and data-visualization libraries. Proven ability to translate complex technical workflows into intuitive, high-impact user experiences.

Currently expanding towards full-stack development to build end-to-end, scalable product solutions.

CORE SKILLS

UI/UX: User Research, Information Architecture, Wireframing, Prototyping, Design Systems, Usability Testing, UAT, Responsive Design

Front-End: Vue.js, React, JavaScript, HTML5, CSS3, Vuetify, Bootstrap, Chart.js, ECharts, REST API Integration

Back-End: .NET, PHP, Microsoft SQL Server, MySQL

Tools: Figma, Adobe Creative Cloud, Power BI, Git, VS Code

PROFESSIONAL EXPERIENCE

UI/UX Designer | Front-End Developer, Centre for Research in Data Science (CeRDaS), Institute Of Technology PETRONAS Sdn. Bhd.

Apr 2023 – Present

- Led end-to-end UX and front-end development for multiple enterprise analytics and AI-driven platforms used by engineers, analysts, and management.
- Conducted stakeholder interviews, requirement studies (URS/SRS), design workshops, and usability testing to define user flows, wireframes, and high-fidelity prototypes.
- Designed and implemented responsive, role-based dashboards using Vue.js and advanced data-visualization libraries.
- Translated predictive, prescriptive, and reliability analytics outputs into intuitive, decision-ready interfaces.
- Collaborated with data scientists, backend engineers, and domain experts in agile delivery cycles and led User Acceptance Testing (UAT).

UI/UX Designer (Contract), Institute Of Technology PETRONAS Sdn. Bhd.

Mar 2023 – Apr 2023

- Redesigned technical engineering drawings and system interfaces, improving clarity and usability for domain specialists.

IT Support and Systems Intern, TEM Electronics (M) Sdn. Bhd.

May 2021 – Dec 2021

- Supported enterprise IT infrastructure and developed internal web systems for HR leave management and payroll workflows.

EDUCATION

MSc in Information Technology, Universiti Teknologi PETRONAS

Sep 2024 – Present

- **Area of Specialisation:** Data Visualisation

B.Tech in Information Technology, Universiti Teknologi PETRONAS

Sep 2019 – Dec 2022

- **CGPA:** 3.26/4

- **Major:** Data Analytics with Corporate Management

PROJECTS

- **Predictive and Prescriptive Analytics Dashboard (Energy Domain):** Designed executive and operational analytics dashboards with interactive KPI and data-visualization components to support decision-making.
- **Digital Look Ahead Plan (LAP):** Designed and developed a calendar-based web interface to visualize and manage maintenance work orders for an LNG facility, translating complex planning workflows into intuitive scheduling and timeline views for planners and engineers.
- **Rotating Equipment Reliability Platform:** Led UX and front-end for condition monitoring, anomaly detection, and time-series visualization modules.
- **Corrosion Analytics and Engineering Visualization System:** Digitized and redesigned complex engineering schematics into interactive system views.
- **Enterprise BI and Management Portal:** Designed role-based dashboards, workflows, and reporting interfaces; conducted usability testing and iterative improvements.
- **Mobile App UI/UX (Consumer):** Designed end-to-end mobile user flows and high-fidelity prototypes in Figma.
- **Full-Stack Web Systems:** HR Leave Management System (PHP, MySQL); Campus Food Ordering Platform (Web UI, Database, Admin and User Interfaces).

CERTIFICATIONS

IBM Data Analyst Professional Certificate | Microsoft Excel for Data Analysis – **Coursera**

Participations

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| CeRDaS Appreciation Night 2024 at Menara Kuala Lumpur | February 2024 |
| • I was involved in this launching event to create the event montage, banner, and design the opening ceremony signature plaque. | |
| Security Analytics Lab by PETRONAS Group Security and UTP CeRDaS | October 2023 |
| • I was involved as a media person in this launching event to create the event montage, banner, and design the opening ceremony signature plaque. | |