

Sheshehang Limbu

Computer and Software Engineer

- Room 2, 5/F, 519 Lockhart Road, Causeway Bay, Hong Kong
- +66-06-11046621
- sheshehangs2016@gmail.com
- O Currently in Thailand
- 🔁 Hong Kong
- in www.linkedin.com/in/sheshehang-limbu
- https://github.com/HunterVinic

Competence Areas

- Internet of Things(IOT)
- IOT System Designing
- Artificial Intelligence (AI)
- Web and App Development
- Data Mining and Analysis
- Machine Learning

Skills -

Programming:

Python

Dart

Java

C++

Tools/Softwares:

- Internet of Things(IOT) • • (IOT Security, IOT Designing, IOT Network, IOT System)
- Data Visualization • • (matplotlib, seaborn, Tableau, Orange...)
- App Development
 (e.g.Flutter, Firebase, java, ...)
- (e.g. scikit-learn, XGBoost, LightGBM, LSTM,...)

Work Experiences

Apr 2025 - Ongoing

Flutter Developer

State Trading Organization Plc, Maldives

- Designed and developed Flutter applications aligned with business requirements and product designs.
- Implemented new features and maintained existing projects with best practices.
- Collaborated with backend engineers and UI/UX designers for seamless integration.
- Applied security measures to ensure data protection and product readiness.
- Maintained technical documentation and regularly communicated progress with the team.

Flutter Mobile Development UI/UX Security
Team Collaboration

Mar 2024 -Mar 2025

Mobile App Developer

Raytail, Thailand

- Developed robust backend infrastructure with optimized server sync, offline transitions, and event handling.
- Implemented OTP authentication for seamless setup and real-time updates with SignalR.
- Refactored 5,000+ lines to BLoC for modularity and scalability.
- Enhanced UI with navigation bar, recall/hold features, settings page, and custom sidebar.
- Designed a distributed cron-based task scheduler with sharding and isolate concurrency.
- Ensured secure authentication with JWT, OAuth, and REST API integration.
- Boosted performance with Dart isolates for rapid reconnections and real-time updates.

Flutter POS System SignalR BLoC UI Development
OpenAPI Database Maintenance Azure DevOps

May 2023 -Oct 2023

AI/ML Programmer Trainee

TGS Enterprise Network Limited, Thailand

- Developed three key projects: Thai Speech Emotion Recognition, Thai Speech-to-Text, and Text-to-Speech.
- Trained models using LSTM, CNN, and over 17,600 Thai audio files, deployed via Flask and Docker.
- Balanced programming, research, and administrative tasks efficiently.

Python Flask Docker Machine Learning FFMpeg

API

Apr 2023 -Sep 2023

IOT Engineer Intern

PCS Security and Facility Services Limited, Thailand

- Assisted in surveying, installing IoT devices at multiple sites.
- Managed energy projects and provided troubleshooting for various systems.
- Supported site managers with Head Mounted Tablets and trained technicians on usage.

IoT Devices Energy Monitoring Networking

Education

2018 - 2023

B.Sc. in Computer Engineering

VME, Assumption Univ., Thailand

Department: Computer Engineering

Ongoing

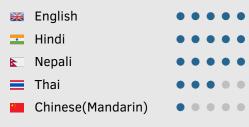
Master's in IoT System Engineering

Asian Institute of Technology, Thailand

Field of Study: IoT System Engineering

Database/Server: MySQL SQL Server **Development Boards:** Raspberry Pie Arduino

Languages



References -

- Mr. Ibrahim Kocagoz
 - Engineering Solution Director
 - ibrahimko@pcs.co.th
 - +66 27418800
 - Profile Link
 - PCS Security and Facility Services Limited
 - Thailand (BKK).
- Mr. Woradol Khonchob
 - Human Resources Department
 - woradolk@tgs-enterprise.com
 - +66 027159295
 - Profile Link
 - **TGS** Enterprise Network 血 Limited
 - Thailand (BKK).

Certificates

2022 **Google UX Design** Coursera

Designed By: Google

2022 **Blockchain Specialization** Coursera

Designed By: University of Buffalo

2024 **Software Engineering Designed By**: The Hong Kong University of Science and Technology

Projects

2022 **Smart House and Home Security Concept using IOT**

Senior Project: B.Sc in Computer Engineering

- Developed a Smart House project using IoT technologies, integrating various programs and technologies for a comprehensive solution.
- Utilized Firebase for Realtime Database management, Flutter for the mobile app, Arduino as the microcontroller, NodeRed as the dashboard, and Google ML Kit for additional capabilities.
- Developed a garage control system that can be operated through both a remote control and a mobile app. The system also alerts the user in case of obstructions between the doors.
- Created a mobile app with QR code scanning features, allowing users to easily add IoT devices by scanning the QR code. The app also provides the option to delete devices.

Technologies Used:

- Firebase: Real-time Database management system.
- Flutter: Mobile app development framework.
- · Arduino: Microcontroller platform.
- NodeRed: Dashboard for IoT control and visualization
- · Google ML Kit: Machine Learning capabilities

Project Video

W Video Link

Project Video

W Video Link

2023 **Energy Consumption for Thailand and ASEAN Countries**

Course Project: Data Mining by Dr. IRFAN AHMAD

- Data Visualization for different aspect of Energy Consumption Such as CO2 Emission, Access to Energy, GDP Growth etc.
- Data Cleaning for Null values and Normalization of Data in-order to train the model.
- Trained the model using Linear Regression and got the Accuracy of 86% and Predicted the CO2 Consumption for year 2020 to 2030.

Data Used: Global Data on Sustainable Energy (2000-2020) GitHub Link

Freelance Project

2020 **GYM Website** TFC Muaythai Gym

- Developed website for Local Gym using HTML, CSS and JS.
- · Deployed the website on GoDaddy.com
- Responsive website with Location feature.

CSS User Experience (UX) HTML

Website Link: http://tfcmuaythaigym.com/

% Website Link