# VSHKER MAYENGBAM

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## Summary

As a recent graduate in Information Science with a strong foundation in data management, information retrieval, and problem-solving, I am eager to apply my diverse skill set to a dynamic career in software engineering. With a growing proficiency in programming . Completed an internship at NIC, where I implemented E-Gazette Management System methodologies to improve production efficiency

## Skills

C | Java | Python | Machine Learning | JavaScript | NodeJS | React | MongoDB | Figma | Unix | MySQL | Git

## Work Experience

**Web Developer in NIC, Manipur** | Intern                                    **Sep'27 - Oct'24**
- Developed and deployed the E-Gazette Management System, a web-based application designed to streamline the management of gazettes within the organization.
- Collaborated with NIC teams to analyze the problem in publication of gazette.
- Utilized ReactJS for the front-end to create a user-friendly and responsive interface for users to access and manage gazettes.
- Implemented Node.js on the backend-end to handle user authentication, database operations and data retrieval.
- Utilized MongoDB as the database system to store and manage gazette-related information.
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## Projects

**Detection Sleeping of The Driver Using Image Processing Technique**                **June'15**
- Developed a real-time driver drowsiness detection system using Convolution Neural Networks (CNN) and computer vision techniques.
- Utilized Python, TensorFlow, NumPy, OpenCV and Keras for model development.
- Integrated the model with a webcam feed to monitor facial expressions and eye movements for signs of drowsiness.
- Implemented an alert system to warn drivers when drowsiness was detected.

**Air Quality Monitoring system using Arduino (IoT)**                                **July'19**
- Designed and implemented an Air Quality Monitoring System using Arduino.
- Integrated various sensors (e.g., MQTT gas sensor, DHT11 humidity sensor) to measure air quality parameters, including pollutants like $CO_2$ and particulate matter.
- Programmed the Arduino microcontroller to collect and process sensor data.

## Publication

- Nagesh UB, Nayana MS, Shruthi CS, Sudeep Poojary, Vaishnavi PS, Vshker Mayengbam. November 2021. "A Review Paper of Security in Internet of Things (IoT)." International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)
- Nagesh UB, Nayana MS, Shruthi CS, Varshith, Vaishnavi PS, Vshker Mayengbam. July 2022. "Evolution of Technology in Artificial Intelligence (AI)." International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)
- Pradeep V, Namratha, Nisha Tellis, Shravya, Vshker Mayengbam. June 2023. "Detection Sleeping of The Driver Using Image Processing Technique."

## Education

**Visvesvaraya Technological, India**                                            **2019 - 2023**
- Information Science And Engineering | CGPA: **7.2**

**Xtra-Edge School, India**                                                      **2018 - 2019**
- COSEM (Class XII), Percentage: **_72.4%_**

**Don Bosco School, India**                                                      **2015 - 2016**
- BOSEM (Class X), Percentage: **_52.6 %_**