





# Diwash Nembang

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## Education

king's own institute  
Information Techology  
Bachelor In Information Technology  
NOV 2024 - NOV 2025

## Projects

### Quick Tab Switch Chrome Extension

Quickly switch between tabs using custom keyboard shortcuts. Assign keys to tabs for fast navigation and seamless tab

- Designed and developed a productivity-focused Chrome extension that allows users to switch tabs using keyboard shortcuts, optimizing multitasking workflows.
- Implemented custom key binding functionality for tab indexing and quick navigation.
- Addressed challenges like managing persistent service workers and inter-script communication

 [extension](#)

### Snippet box

Snippet Management Web App

- Developed a web application in **Go** to create, view, and manage snippets.
- Integrated a **MySQL database** for efficient data storage and retrieval of snippets.
- Implemented secure **session management** to authenticate users and protect data.
- Built a modular **middleware chain** using the ``alice`` package to streamline request handling.
- Utilized **Go's html/template** package for dynamic and efficient HTML rendering

 [github](#)

### Route Planner Bot

Automated Public Transport Route Notification

- Developed a Python bot that automates the process of sending daily emails with optimal public transport routes to work using the **Transport NSW API**.
- Integrated **SendGrid** for email delivery, providing users with timely notifications each morning regarding their commute.
- Implemented error handling and testing to ensure reliability and accuracy of the route information based on real-time data.

 [github](#)

## Skills

### Java Script

### Mysql

### Html

### MongoDB

### Css

### Python

### Go

### React

## Certifications


### Crash Course On python

Google

May 2021

Skills learned

- Python Programming
- Basic Python Syntax
- Basic Python Data Structures
- Object-Oriented Programming (OOP)
- Fundamental Programming Concepts

 <https://coursera.org/share/c8b41ab18db4ee23e05ce9eb6cd7d632>


### Mongo DB Basic

Mongo DB

september 2022

Skills learned

- CRUD Operations and Querying
- Data Modeling and Schema Design
- Indexing and Performance Optimization

 <https://learn.mongodb.com/c/NB4RemYTVjOgJ3LeAWxFAw>