

# VINH NGUYEN

## Data Analyst/Data Administrator/Software Engineer

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https://vinnhng.github.io/portfolio/

## OBJECTIVE

- Computer Science graduate with strong fundamental skills in database design, SQL, and Python, etc .
- Experienced in data analysis, visualization, and developing data-driven solutions to support strategic decision-making.

## PROGRAM LANGUAGES

- Java
- C/C++/C#
- SQL, MySQL, NoSQL
- Python, Latex
- HTML/CSS/Bootstrap
- JavaScript, ReactJS
- Python
- Node.js
- Assembly Language
- PHP

## FRAMEWORKS/ IDE

Java Development Kit(JDK)

.NET

ASP.NET

AWS

Realtime FireBase

Cloud Firestore/ Google Cloud Platform

MongoDB

PostgreSQL

Microsoft SQL

Azure SQL

Oracle Database

Power BI

Eclipse

IntelliJ

Tableau

Linux

Visual Studio

## EXPERIENCE

### Shift Manager

( MeetFresh )

📅 DEC 2021– AUG 2023      📍 Westminster, California

- Supervised and trained a team of staff, fostering a positive work environment and maintaining high performance standards.
- Assisted in the hiring process, conducting interviews and selecting qualified candidates for open positions.
- Successfully resolved customer concerns and inquiries, enhancing overall customer satisfaction.

## EXTRACURRICULAR

### CSUF Video Game Design Club

- Participated in the development of game concepts, providing input on gameplay mechanics and visual elements.
- Collaborated with fellow members to brainstorm and conceptualize innovative game ideas.
- Took on a dual role of learning and teaching, fostering a collaborative environment for skill development in game design.

## EDUCATION

- Obtain a B.S. Computer Science at California State University, Fullerton - 2025
- IBM Data Science certification (2024)
- IBM Data Analyst certification (2023)

## PROJECTS

### Interactive Sales Analytics Dashboard

**Tech Stack:** Python, Pandas, Plotly/Dash, SQL

- Designed and developed an interactive dashboard to visualize regional and product-level sales performance.
- Integrated SQL databases with Python for automated data extraction, cleaning, and transformation.
- Developed advanced data visualizations (heatmaps, time series trends, and geospatial plots) to uncover business insights.

### Real-Time Fraud Detection System

**Tech Stack:** Python, Tensorflow, Apache Kafka, SQL

- Developed a machine learning-driven fraud detection pipeline to analyze financial transactions in real time.
- Implemented data ingestion and streaming with Apache Kafka for scalable, low-latency event processing.
- The model was deployed in a production-like environment with REST APIs, automated alerts, and real-time dashboards.

### Employee Payroll Management System

**Tech Stack:** SQL, Python

- Designed and implemented a normalized relational database schema for managing employee payroll and HR records.
- Created stored procedures and SQL queries to handle payroll calculations, tax deductions, and benefit processing.
- Data security and consistency are enforced using indexing, role-based access controls, and integrity constraints.

### COVID-19 Tracker Website

**Tech Stack:** HTML, CSS, JavaScript, React, Node.js, Python, SQL

- Developed an interactive web application to track COVID-19 cases using dynamic maps and real-time graphs.
- allowing users to explore regional statistics and historical trends through an intuitive user interface.
- Integrated back-end services for fetching and visualizing live data updates from public APIs.