NITISH MULYE

Engineer & Lifelong Nerd

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EXPERIENCE

System and Functions Developer
Ferchau Automotive GmbH
📅 May 2022 – Aug 2025 📍 Cologne, Germany

- Programmed software modules for automotive systems based on customer specifications.
- Software tested to meet ASIL safety standards.
- Integrated communication between devices using industrial protocols.

System Developer / Programmer
Trane Klima- und Kältetechnik Büro GmbH
📅 Mar 2020 – Oct 2021 📍 Munich, Germany

- Developed Schneider PLC programs using EcoStruxure and HMI visualization.
- Implemented Modbus and BACnet communication with field devices.

Automation Engineer
Ferchau GmbH
📅 Oct 2019 – Dec 2019 📍 Munich, Germany

- Programmed industrial processes with Simatic PCS7 and created HMI in WinCC.

Project Engineer
Hays Professional Solutions GmbH
📅 Mar 2019 – Jul 2019 📍 Leipzig, Germany

- Programmed Beckhoff PLCs in TwinCAT and developed HMI interfaces.
- Commissioned control systems with ABB and EPSON robotics.

PROJECTS

🌐 Coaching business Website

- Designed and built a fully functional website with a responsive e-Commerce storefront.
- Integrated Stripe API for secure payment processing and Calendly embed for scheduling coaching sessions.
- Implemented a backend in Node.js to handle contact form submissions, notification emails, and user inquiries.

🎮 Game development

- Programmed and designed multiple small-scale games in Unity/C++, focusing on mechanics, UI, and interactivity.
- Applied core concepts like pathfinding, game loops, collision detection, and concurrency.
- Managed source code with Git, and built projects with CMake and Visual Studio Code.

CERTIFICATION

C++ Development
Udacity Nanodegree
📅 Oct 2021 – Jan 2022

- Built applications with pathfinding, object-oriented programming, and concurrency in C++.
- Used Git, CMake, and Visual Studio Code for development workflow.
- Undertook several projects with best coding practices like Version control, AI prompting.

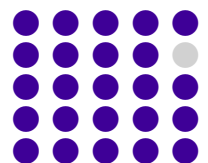# SKILLS

Professional Experience

`C++` `Git & GitHub` `TwinCAT` `PLC`
`Industrial Protocols` `Visual Studio Code`

Self-Taught

`HTML` `CSS` `Javascript` `Python`

LANGUAGES

English
German
Hindi
Marathi
Gujarati

EDUCATION

M.Sc. in Automation & Control Engineering
University of Duisburg-Essen, Germany
📅 May 2015 – Oct 2018

B.E. in Instrumentation & Control Engineering
Gujarat Technical University, India
📅 Jun 2009 – Apr 2013