**Devang Banda**

devang.banda0399@gmail.com | +1(250)588-9681 | Vancouver, BC | www.linkedin.com/in/devangbanda

Summary

Computer Science student equipped with a strong foundation in programming languages, algorithms, data structures, and software engineering principles. Adept at problem-solving, identifying issues, and offering solutions to problems. Experienced in troubleshooting, and testing electronics/computer systems with extensive knowledge and experience in embedded development.

Skills and languages

• **Backend:** Java, C, Python • Structured and OOP • **Frontend (Intermediate**): CSS, HTML, JAVASCRIPT • Test-Automation • **System:** GitHub version control • Problem-Solving • Data Structures • Team Player

• Web Development • Communication Professional experience

**Electrical Technician | May 2022 - Present**

**Powertech Labs – Surrey, BC**

• Troubleshoot Allen Bradley and Siemens control and data acquisitions systems using PLC programming • Repaired protection and control systems for electrical networks including fault location, and isolation • Operated test instruments, located failure points, determined parameters, and performed root-cause analysis of test equipment malfunctions.

**Electrical Maintenance Technician | January 2022- April 2022**

**Schneider Electric – Victoria, BC**

• Troubleshoot and repaired 3 phase systems, dc motor control circuits, relays, sensors, printers, and power meters.

• Maintained calibration reports, test logs, equipment repair documents, and technical reports for power meters

• Managed and assisted multiple industrial automation projects leading to Lean manufacturing methods and Poka-yoke concept.

**Electronics Technologist | January 2020 – December 2021**

**Forest Technology Systems Inc. – Victoria, BC**

• Manufactured, troubleshoot, repaired, calibrated, and maintained electronics instruments, sensors, and systems including logging, signaling and telecommunication, CCTV systems, LAN etc.

• Provided effective solutions, product analyses, and follow-up calls to over 100+ clients across Canada, US, and Australia.

• Reported on testing techniques, equipment used, and the data collected to help engineers improve product designs

Projects

• **Illuminado**

*Smart Lamp with IoT capabilities, home security (live video feed and motion detection camera), and Google Assistant remotely controlled by a custom Android Application*

• Used TCP/IP communication b/w Raspberry Pi (Java/Thonny IDE) and a custom Android Application (Java)

• Developed a minimal GUI using TKinter in Python

• Used MotionEye daemon for python; configured it with Port Forwarding, and No-IP DDNS for live surveillance.

• **Mario-3D** – *Game developed with Unity used serial-communication b/w Arduino and Visual Studio for controls.*

• **Binary Message Encoder** - *Developed an Arduino based Digital Communication project for Transmitting and Receiving data packets using Manchester encoding, 433MHz Transmitter and Receiver, and Arduino*

Education

• **Thompson Rivers University – Kamloops, BC**

**Bachelors of Computer Science | 2022-Current**

• **Camosun College – Victoria, BC**

**Electronics and Computers Engineering Technology | 2017-2019** • Awarded as Camosun’s Best International Student in First Year for Electronics and Computers Engineering Technology and scholarship in 2018

• Awarded Camosun’s International Academic Advancement Scholarship in 2019