RITIK KUMAR

Software Engineer

@ ritik97564@gmail.com   📞 +91-9718461041   📍 Ahmadabad, India

ritik900   </> ritik000   portfolio

STRENGTHS

Fast Learner

Self motivated

Confident   Hard worker

Quickly adapt new environment

Disciplined and punctual

Believe in teamwork

LEARNING

C   C++   Go

Lua   Shell Scripting

Microsoft Foundation Classes

(MFC)   VC++

MS-Office

Visual Studio

Visual Studio Code

Notepad++

Code Blocks

Sublime Text

Git   Github   Linux

Ubuntu   Ubuntu Server

OpenWRT app dev

LANGUAGES

Lang 1: English

Lang 2: Hindi

ABOUT ME

Passionate about emerging technologies and solving complex problems through code, with 3+ years of experience as a software engineer.

EXPERIENCE

Embedded Linux Developer | Zen Exim Pvt. Ltd.

📅 Oct 2024 – Present   📍 Ahmadabad, India

- Responsible for the research, design, development, and maintenance of software solutions using C, C++, Go and Shell Script.
- Debugging and testing complex system-level code, with additional contributions in Shell scripting and Go for backend components and automation.
- Collaborating with cross-functional teams to ensure software quality, performance optimization, and alignment with project requirements.
- Contributing to the full software development life cycle, including requirement analysis, implementation, testing, and deployment.

Software Engineer | Asa Bhanu Technical Services

📅 Oct 2023 – Oct 2024   📍 Hyderabad, India

- Researching, designing, implementing and managing software programs.
- Debugging, testing and maintaining code.

Software Engineer | Biogenex

📅 July 2021 – Oct 2023   📍 Hyderabad, India

- Researching, designing, implementing and managing software programs for In-vitro diagnostics and research instruments.
- Debugging, testing and maintaining code.
- Support team to improve software development process.

EDUCATION

B.Tech. | Dr. A. P. J. Abdul Kalam Technical University

📅 July 2017 – August 2021   📍 Kanpur, India

- GPA: 8.04

Intermediate | S.J.S.V.M. Inter College

📅 April 2015 – May 2016   📍 Saharanpur, India

- PERCENTAGE: 83.20

HighSchool | S.J.S.V.M. Inter College

📅 April 2013 – May 2014   📍 Saharanpur, India

- PERCENTAGE: 83.50

PROJECTS

Console Applications for OpenWRT Platform |

📅 Oct 2024 - Present

- C, Lua, shell script
- Developing a console-based application for the OpenWRT platform using C, Lua and shell scripting.
- Focused on integrating system-level features such as network configuration, diagnostics, and package management within a lightweight command-line interface.
- Ensuring compatibility with embedded Linux environments and optimizing for performance and memory usage.
- Contributing to code modularity and maintainability through clear structure, extensive documentation, and adherence to OpenWRT development standards.

Graphic Operation Terminal Screen Design Software |

📅 Oct 2023 - Oct 2024

- C++ language, MFC (Microsoft Foundation Class), Visual studio, svn
- The project aims to design screens for industrial Graphic Operation Terminals (GOTs) that are used to operate various devices and machinery in a factory setting. GOT stands for "Graphic Operation Terminal." It's a type of Human Machine Interface (HMI) used in industrial settings, replacing traditional hardware switches and lamps with touch-screen displays. Software Utilized: The project involves using screen design software to create and display control interfaces on the GOT's monitor screen. This software likely enables the creation of virtual switches, buttons, and indicators for controlling industrial processes.

Xmatrx® MINI, NanoVIP® 300, NanoVIP® 100, Xmatrx® Elite, i6000™ Diagnostics |

📅 Aug 2022

- C++ language, MFC (Microsoft Foundation Class), Visual studio, Git
- These projects are in-vitro diagnostics and research instruments used for test the cancer cells. These projects are workstations which support various routine high-throughput assays in both translational and clinical research. The key technology differentiators include the eXACT™ temperature control and reaction microchamber. Our systems are designed especially for slide-based assays like IHC, ISH, FISH, IF, and multiplex applications (double and triple stainings; IHC/ISH), in situ PCR, microRNA, and for other special staining procedures.

AWARDS AND CERTIFICATIONS

Got the highest marks in mathematics

- Two times awarded to get the highest marks in mathematics. Once in intermediate and second in graduation.

Certificate in C++ Language

- I got the certificate for successfully completion of C++ and Data Structure course in ineuron.

Certificate in Java Language

- • I got the certificate for successfully completion of Java and Data Structure course in ApnaCollege.

Certificate from IIT Kanpur

- I got certificates from IIT kanpur for startup-master-classes,creative thinking and designing thinking.