

Career Objective

To succeed in an environment of growth and excellence I would like to work with a professional, progressive organization, where I can improve my skills and experience.

Job Summary and Responsibilities

VVDN Technologies Pvt. Ltd.

JUNE 2022-PRESENT

Embedded Software Developer

IP Camera Project: To Designed and developed an advanced IP camera system for real-time video streaming, Implemented video encoding and streaming protocols(e.g., RTSP, H.264/H.265) with the Configured network settings, including DHCP, DNS, and static IP assignment, for seamless connectivity and Ensured security through features like password-protected streams, HTTPS, and data encryption with the Collaborated with hardware teams to ensure compatibility with sensors and communication interfaces (e.g., I2C)..

- Currently, I am working on the IP Based camera Project as an Embedded Software Developer. Working on the **Sigma-star processor** on the Linux operating system.
- Working on Live video streaming, Motion detection, Snapshot, Day-Night Mode
- Changing the bitrate and Image quality, Rotating or flipping the video horizontally and vertically, and The timestamp and watermark overlay on the video stream.
- Working On CGI - Module and board bring up activity .
- Experience with H.264 and H.265 video streaming encoder.
- Knowledge of the Multimedia domain. Video streaming protocols like RTSP.
- Experience with software development (C, Linux) including test development. Hand-on
- Experience in Coding with C, Shell scripting, Linux programming, and Linux commands.
- I worked on different communication protocols like I2C.
- Working Basic knowledge of Python and Embedded C.
- Working Experience on Micro-controller - MSP430.
- Working Experience on YOCTO Project.
- Good understanding of Linux programming like fork, thread, socket, shared memory, etc.
- Expert in troubleshooting, debugging, and problem-solving Support.
Expert in creating documentation of design test plans.
- Strong ability to analyze and find creative solutions for complex t.technical problems.
- Testing of various components like a diode, register, capacitor, speaker, vibrator, and
- Sensors by using a multi-meter.

Contact Details

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- Uttar Pradesh, India
- rs611751@gmail.com

in <https://www.linkedin.com/in/ravindra-singh-741091192>

Personal Details

Father's Name : Ghanendra Singh
Marital Status : Single
Nationality : Indian
D. O. B : 20 /02 /2001

Passport Details

Passport No. : V 6960245
Place of issue : Uttar Pradesh, India

Programming Skills

Programming Languages :	C Linux Programming Shell scripting Linux command Python Embedded C
	Arduino IDE Wireshark YOKTO AutoCAD MS Word office MS Excel sheet
Tools and Software:	MS PowerPoint H.264 & H.265 Git Repo

Award and Achievement :

- Gold medallist from DR. AKTU - ROBO Race
- Got certificate of participation in “Guest Lecture” by AI & Machine Learning by CETPA on 30th Sep 2020.
- Got certificate of participation in “TECH QUEST” by NIRMAAN on 30th Sep 2019
- NPTEL online certificate of Enhancing soft skill and personality
- National Apprenticeship Training Scheme (NATS) Certificate

Educational Details:

2018 to 2022	Completed B.Tech Degree from AKTU University, Uttar Pradesh of I.T.S. Engineering College, Greater Noida with 63%.
2016 to 2018	Completed 12th from Uttar Pradesh Board in 2018 with 60 %.
2014 to 2015	Completed 10th from Uttar Pradesh Board in 2015 with 72%.

Language Proficiency

English	: Professional
Hindi	:Mother Tongue

Projects

- Netradyne Driver-I Camera
- Checkvideo - IP Camera
- CPPlus - IP Camera
- JCI - IP camera

Strengths

- Quick learner and Adaptive
- Effective Leadership Skills
- Team management
- Independent thinking, yet a team player

Extra-Curricular Activities

- Robotic Exhibition
- PPT ROBOTICS EVENTS
- COVID Protection- Ideas

Hobbies

- Learning New Things
- Ride