Vijay Patil

Nationality: Indian   **Date of birth:** 12 Sep 2000   **Gender:** Male

📞 **Phone number:** (+91) 8197962259   ✉ **Email address:** vijaygpatil12@gmail.com

in **LinkedIn:** www.linkedin.com/in/vijaygpatil12

📍 **Home:** c/o Vijay Patil 2nd Main, 5th Cross, Vidyagiri, 580001 Dharwad (India)

ABOUT ME

A highly motivated and adaptable individual with strong interpersonal and communication skills. Thrives under pressure, quickly adapts to challenges, and consistently delivers results in any situation.

EDUCATION AND TRAINING

Bachelor of Engineering in Electronics and Communications
KLE Technological University [2020 – 2024]

City: Hubli | **Country:** India | **Website:** https://www.kletech.ac.in/

Senior High School
Expert PU College [2016 – 2018]

City: Mangalore | **Country:** India | **Website:** https://excelpucollege.com/index.aspx

High School
JSS Sri Manjunatheshwar Central School [2015 – 2016]

City: Dharwad | **Country:** India | **Website:** https://jsssmc.in/

WORK EXPERIENCE

Intern
Pravinya Infotech [Jan 2024 – May 2024]

City: Hubli | **Country:** India

- Learned and worked on **Full-Stack Web Development** using the **MERN Stack**.
- Gained hands-on experience in building **responsive and dynamic web applications**.
- Collaborated with a team to develop and optimize web solutions.

PROJECTS

[Jan 2024 – May 2024]
Artistry E-Commerce Website
- Developed a full-stack e-commerce platform using the MERN stack.
- Implemented Razorpay payment gateway for secure and seamless transactions.
- Designed a responsive and user-friendly UI/UX to enhance the shopping experience.
- Integrated product listing, cart management, and order tracking functionalities.
- Ensured scalability and security with optimized backend and database management.

[Sep 2023 – Nov 2023]
Adaptive Headlight Control System
- Designed and implemented an IoT-based adaptive headlight system that adjusts headlights based on steering movement.
- Utilized the CAN protocol for real-time data communication and control.

- Enhanced driver visibility on curved roads by dynamically adjusting light direction.
- Integrated adaptive lighting for daytime, low-light/nighttime, and foggy weather conditions.
- Improved road safety by providing optimal illumination based on driving conditions.

[Apr 2023 – Jun 2023]
Validating Autonomous Components – SPICER INDIA
- Developed a GUI-based system to display real-time readings of vehicular component diameters.
- Processed raw data from existing industrial machines and presented it in an intuitive interface.
- Improved data visualization and usability, aiding in efficient component validation.
- Worked in an industrial environment, ensuring accuracy and process optimization.

[Jan 2023 – Mar 2023]
Lane Detection on Structured Roads
- Developed a lane detection system using image processing and Python.
- Used techniques like Canny edge detection, Hough Transform, and color thresholding to identify lane markings.
- Processed both real-time and recorded video footage for improved road safety.
- Optimized the algorithm for accuracy and efficiency in detecting lane boundaries.

DIGITAL SKILLS

Java / C++ / HTML / CSS / Cadence Virtuoso / JavaScript / React / MATLAB / Verliog HDL

VOLUNTEERING

[Jul 2022 – Sep 2022] Karnataka, India
Field Coordinator, Vishala Rural Women and Children Development Organization
Led field activities for rural development and women empowerment initiatives. Focused on sustainable agriculture, organic farming, and skill development, impacting over 2 lakh marginalized individuals in Karnataka.

LANGUAGE SKILLS

Mother tongue(s): Kannada

Other language(s):

English	**Hindi**
LISTENING C2 **READING** C2 **WRITING** C2	**LISTENING** C2 **READING** C2 **WRITING** C2
SPOKEN PRODUCTION C2 **SPOKEN INTERACTION** C2	**SPOKEN PRODUCTION** C2 **SPOKEN INTERACTION** C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

I hereby confirm that all information provided in this CV is accurate and true to the best of my knowledge.

Dharwad, India, 26 Feb 2025