

SAQIB L SHAIKH

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EXPERIENCE

- ❖ **Robo AI Industrial Workshop | My Equation, Gujarat** (Jun '24 – Aug '24)
Attended and successfully completed an Industrial Training program on robotics automation and software simulation with AI – IoT, Machine Learning, AI, ROS2.
- ❖ **Website Development Freelancer | Remote** (Jun '23 – Present)
I Build responsive frontend websites for clients like Hotels, Homestays, Holiday Resorts, etc. as my part-time niche. – HTML, CSS, Bootstrap, ReactJS
- ❖ **Professional Diploma in Industrial Automation | IPCS Global, Vashi** (Dec '23 – Aug '23)
Completed a Professional Diploma course on Industrial Automation, its applications and case studies – PLC (Siemens, Delta, Omron, Mitsubishi, Schnieder), SCADA (Intouch, Wonder), HMI and so on.
- ❖ **Systems Engineering Intern | Evertz Microsystems Pvt. Ltd.** (Feb '23 – Jul '23)
Served as a Student Engineer in a product-based company where I got an opportunity to work as a Systems Engineer on various video networking/transmission technologies - Python, Selenium.
- ❖ **Embedded Full Stack IoT Intern | GTTC, Hubli** (Sep '22 - Oct '22)
Built the frontend, backend, database utilizing the hardware components for various automation projects using ESP8266 module - IoT, C, Python, HTML, CSS, Bootstrap, Flask, SQLite.

EDUCATION

- ❖ **Electronics & Communication Engineering | KLS VEDIT, Haliyal** CGPA: 7.22 | (Aug '19 - Jul '23)
- ❖ **XII | Bangurnagar PU College, Dandeli** 68.67% | 2019
- ❖ **X | K.H.E.P High School, Ambikanagar** 84.16% | 2017

ACADEMIC PROJECTS

- ❖ **Baymax Persona Chatbot** (Jul '24 – Aug '24)
Key Contributions:
 - Developed a sophisticated chatbot that emulates the personality and dialogue of Baymax from the Hollywood movie Big Hero 6.
 - Leveraged LLMs and personaGPT to fine-tune a Hugging Face Transformer model and deployed using Gradio, enabling real-time, engaging interactions.*Tech Stack: Python, LLM, personaGPT, Hugging Face Transformers, Gradio*
- ❖ **Robotic Vision Object Detection System** (Jul '24 – Aug '24)
Key Contributions:
 - Developed an object detection system for robotic vision, utilizing TensorFlow and Python tools.
 - Implemented Convolutional Neural Networks (CNN) and advanced image processing techniques to accurately identify and locate objects in real-time.*Tech Stack: Python, TensorFlow, CNN, Image Processing*
- ❖ **Smart card system for BRT** (Aug '22 – May '23)
Key Contributions:
 - Engineered a comprehensive smart card system to enable efficient and contactless ticketing for Bus Rapid Transit (BRT) networks.
 - The project involved both software and hardware components to ensure seamless operation and improved passenger experience.*Tech Stack: SQLite, Python Flask, C, ESP8266, HTML, CSS, Bootstrap*

ACADEMIC PROJECTS

❖ Data monitoring system for academic institutions

(Jun '22 – Jul '22)

Key Contributions:

- Developed a web application to monitor and display real-time data on classroom occupancy and faculty presence.
- Integrated IoT hardware for accurate data collection and automated the posting of lecture reminders to enhance scheduling efficiency.

Tech Stack: IoT, Web Development

❖ Crania - Smart Helmet for rider safety

(Aug '21 – Jan '22)

Key Contributions:

- Developed a prototype safety helmet with advanced features including collision prevention, an automated night-vision visor, an integrated air-cooler, and navigation assistance.
- Utilized C and Python for programming and Arduino for hardware integration.

Tech Stack: C, Python, Arduino

❖ Elevator using Basys 2 development board

(Jan '22 – Feb '22)

Key Contributions:

- Inspired by a laboratory experiment, designed an eight-floor elevator.
- It involved design and verification of digital circuits at register-transfer level of abstraction.

Tech Stack: Verilog HDL, Xilinx ISE, FPGA board

SKILLS

- | | | |
|--------------------------|-------------------|-------------------------|
| ❖ Python | ❖ PLC Programming | ❖ HTML/CSS/Bootstrap |
| ❖ C programming (Basics) | ❖ SCADA | ❖ SQLite/Flask (Basics) |
| ❖ Verilog HDL | ❖ HMI/VFD/Servo | ❖ Selenium (Basics) |
| ❖ Arduino UNO/Node MCU | ❖ Factory I/O | ❖ Prompt Engineering |

LANGUAGES

- | | | | |
|-----------|-----------|---------|--------|
| ❖ English | ❖ Kannada | ❖ Hindi | ❖ Urdu |
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ACHIEVEMENTS

- Among the top 100 finalists for KPIT's Sparkle ideathon held nationwide (2021).
- Secured 2nd place in KLS VDIT's Techquiz held at college level (2019).
- Participated in 15th ILSTE conducted by Putani Vignana and secured 7th rank nationally (2013).

CERTIFICATIONS

- **Microsoft Azure AI Fundamentals: Generative AI**, Microsoft
- **Programming for Everybody (Getting started with Python)**, University of Michigan
- **Introduction to Web Development**, University of California Davis
- **C and Cpp training**, Spoken Tutorial Project | IIT Bombay

POSITION OF RESPONSIBILITY

- | | |
|------------------------------------------------------------------|------------------|
| ❖ Event coordinator Cryptomania '22, KLS VDIT | (Jun '22) |
| ❖ Camera operator & Video editor ECO Club, KLS VDIT | (Sep '21) |
| ❖ Student Member Cultural committee, KLS VDIT | (2020 – Aug '23) |

DECLARATION

I hereby declare that all the information mentioned above is true to the best of my knowledge.