**ANUJ UDAPURE**

**Electronics Engineering Student | Data Science & Cloud Technologies**

📧 anuj.udapure22@vit.edu | 📱 +91 7588399605 | 📍 Pune, Maharashtra, India  
🔗 LinkedIn: linkedin.com/in/anuj-udapure | 💻 GitHub: github.com/anuj28-cmd

**PROFESSIONAL SUMMARY**

**Final-year Electronics Engineering student with hands-on experience in embedded systems, FPGA design, and VLSI. Skilled in C, Verilog, and ARM-based microcontrollers for real-world hardware solutions.**

**EDUCATION**

**Bachelor of Technology - Electronics and Telecommunication Engineering**  
Vishwakarma Institute of Technology, Pune | Expected May 2026  
CGPA: 7.63/10

**TECHNICAL SKILLS**

Languages: C, C++, Python, Verilog HDL, JavaScript, HTML, CSS

Tools: Vivado, Keil uVision, Arduino IDE, Cadence, Node.js, Express.js, MongoDB, Git, Excel, MATLAB (basic)

Technologies & Frameworks: REST API, XBee, UART, I2C, AES Encryption, ARM7 (LPC2148), Raspberry Pi Pico

Domains/Areas: Embedded Systems, IoT, VLSI, Communication, AI/ML, Data Analysis, Web Development

ML & Data Tools: Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, Kaggle

**PROJECTS**

Smart Shopping Trolley with Automated Billing Aug 2024 - Present

- Built IoT-based trolley using ESP32 and RFID for real-time billing; drafted patent claims for tamper detection.

- Reduced checkout time by 50% via automated scanning.

Earthquake Detector Using MPU6050 Jan 2024 - May 2024

- Developed Arduino-based seismic monitor with 90% accuracy in detecting tremors; analyzed patentability.

Secured Army Communication System Aug 2023 - Dec 2023

- Designed LPC2138-based system with AES-128 encryption and LoRa; conducted prior art analysis for IP gaps.

FPGA Weather Prediction System Jan 2023 - May 2023

- Implemented rainfall prediction on Xilinx FPGA using Verilog; evaluated patent potential for hardware logic.

Autonomous Firefighting Robot Aug 2022 - Dec 2022

- Created robot with flame sensors and GSM alerts; analyzed prior art for patent claims, reducing response time by 30%.

**Experience**

Cloud Security Intern, Icon Infoline Pvt. Ltd.   Sep 2024 – Oct 2024

- Worked on implementing a zero-trust security system using fingerprint biometrics and cloud services (AWS, GCP). Gained hands-on experience in cloud-based authentication and secure access control systems.

**CERTIFICATIONS**

• **Deep Learning Specialization** - Coursera (April 2025)  
• **Databases and SQL for Data Science** - IBM/Coursera (January 2025)  
• **NVIDIA Fundamentals of Deep Learning** - NVIDIA (September 2024)  
• **Excel Skills & Data Visualization** - JPMorgan Chase & Co./Forage (July 2024)