

EDUCATION

Paderborn University

Master of Science in Computer Engineering

Paderborn, Germany

2025 – Present

- **Coursework:** Advance Computer Architecture, Data Driven Engineering, Advance System Theory

Government Engineering College, Gandhinagar

Bachelor of Engineering in Electronics and Communication Engineering, GPA: 8.77/10.0

Gujarat, India

Jun 2019 – Jul 2023

- **Coursework:** Digital Signal Processing, Control Systems, Signal and Systems, Digital Image and Video Processing, Wireless Communication, VLSI Design

WORK EXPERIENCE

Tata Consultancy Services (TCS)

Migration Analyst

Gujarat, India

Nov 2023 – Nov 2025

- Spearheaded cloud-to-cloud data migrations and optimized migration pipelines for performance and scalability
- Ensured data integrity through schema analysis, mapping, validation, and normalization
- Developed testing and troubleshooting strategies to minimize downtime and data loss
- Collaborated with cross-functional teams while maintaining compliance with data security standards

Space Applications Centre, ISRO

Research Intern

Gujarat, India

Feb 2023 – Jul 2023

- Designed signal processing system for down conversion and data recovery using DSP techniques
- Developed phase-locked loop (PLL) to track Doppler shift for positioning
- Implemented carrier and symbol tracking algorithms
- Improved positioning accuracy using Doppler-based estimation

InfiniumDevIO LLP

IoT Arduino Intern

Gujarat, India

Jun 2022 – Jul 2022

- Developed sensor-based IoT product using Arduino Uno
- Enabled real-time environmental sensing and automation
- Improved system responsiveness using sensor-driven logic

PROJECTS

- **Smart Stove Safety System (IoT-Based):** Developed a sensor-based stove safety system to detect gas leaks and automatically shut off the stove while triggering alerts. Improved household safety using real-time IoT automation. Technologies: Arduino Uno, IoT, Sensors, Embedded Systems.

CERTIFICATIONS

- **Google Professional Cloud Architect:** Google Cloud (May 2024) - Validates expertise in designing, developing, and managing robust, secure, scalable, and dynamic cloud architecture solutions.
- **Google Cloud Associate Cloud Engineer:** Google Cloud (April 2024) - Demonstrates ability to deploy applications, monitor operations, and manage enterprise solutions on Google Cloud Platform.
- **AWS Developer Associate:** Amazon Web Services (May 2024) - Demonstrates proficiency in developing, deploying, and debugging cloud-based applications using AWS services.

SKILLS

Languages: Python, Java, C, SQL, Verilog, VHDL, HTML, CSS

Cloud & Tools: Google Cloud Platform, AWS, MATLAB, Simulink, Vivado, Jupyter