

Hisham

Electronics and Communication Engineer

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About Me

- Electronics and Communication Engineer with strong academic background and passion for Electronics, Embedded systems, Web Development and AI.
- Proven leader and innovative problem solver with multiple successful projects
- Fluent in **English, Arabic, Hindi, Malayalam, and Kannada**
- Passionate about leveraging technology to create impactful solutions

Education

- **Bachelor of Engineering (B.E) in Electronics and Communication Engineering**
St Joseph Engineering College, Mangaluru 2021 - 2025
GPA: 7.86/10.0 - *First Class with Distinction*
- **Pre-University Education**
Achievers' PU College, Sakleshpur 2019 - 2021
Percentage: 91%
- **Secondary School**
Oxford English School, Sakleshpur 2018
Percentage: 88%


Professional Experience

- **Project Trainee**
ITC Limited (Tobacco Division), Bangalore Feb - May 2025
 - Worked on Siemens, Beckhoff PLC and SCADA
 - Worked on innovative electronics engineering projects
 - Developed cutting-edge solutions in a corporate environment
 - Gained hands-on experience with industry-standard tools and practices
 - Certificate:

Internships

- **Full Stack Frontend Development Intern**
Zephyr Technologies and Solutions Pvt Ltd Nov-Dec 2023
 - Developed responsive websites using HTML, CSS, and JavaScript
 - Gained practical experience in modern web development practices
 - Certificate:

Projects Undergone

- **MammaDetect** - AI-based Breast Cancer Detection (Startup Project)
Technologies: CNN, RNN, Mammogram, CA15.7
Pitch: 
- **KneeVision** - AI-powered Knee Osteoarthritis Detection System
Technologies: Machine Learning, Medical Imaging
- **Smart Trolley** - Automated shopping cart using Arduino and RFID
Technologies: Embedded Systems, IoT
- **Waste Segregation System** - ML-based waste classification
Technologies: Python, OpenCV, TensorFlow
- **Virtual Doctor Robot** - Teleconsultation robot powered by ESP32
Technologies: Embedded Systems, Robotics
- **Water Level Controller** - Efficient water management system using Simulink-Matlab
Technologies: Simulink, Matlab, MathWorks
- **AI Chatbot** - Dynamic user interaction chatbot built with React and JavaScript
Technologies: VSCode, React, JavaScript
- **Solar Inverter** - Renewable energy project using battery-powered solar systems
Technologies: Solar, Transformers









Technical Skills

- **Programming Languages:**
C, C++, Python, Verilog, JavaScript
- **Web Development:**
HTML, CSS, JavaScript, Flask, React, VB.NET
- **AI/ML:**
TensorFlow, OpenCV, CNN, RNN
- **Data Analysis Visualization:**
Excel, PowerBI, Canva
- **EDA Tools:**
Cadence, Xilinx Vivado, Keil μ Vision, Simatic, SIEMENS' TIA Portal
- **Simulation Tools:**
Matlab, Simulink, Multisim
- **Operating Systems:**
Windows, Linux (Ubuntu, Fedora), MacOS

Soft Skills

- Leadership and Team Management
- Problem Solving and Critical Thinking
- Effective Communication
- Project Planning and Execution
- Multilingual Communication

Certifications

- **Robotics** - NPTEL 
- **Prompt Engineering for ChatGPT** - Vanderbilt University 
- **Introduction to Semiconductor Devices-1** - KSAIT 
- **Nanotechnology and Nanosensors** - Israel Institute of Technology 
- **Digital Signal Processing 2** - EPFL 
- **Machine Learning Onramp** - Matlab 
- **Image Processing Onramp** - Matlab 
- **How Things Work - Introduction to Physics** - Virginia University 

Workshops & Training

- C Training by IIT Bombay 📄
- Python Bootcamp by Samarthya Club 📄
- Design and Verification of Digital System using VHDL 📄
- Assocham National IP Yatra by MSME 📄
- Innovate 2024 by IEEE 📄
- Muller Medithon 2024 by Father Muller Medical College 📄

Leadership & Responsibilities

- **President**, Samarthya Club, Department of ECE
St Joseph Engineering College 2023-2025
 - Led initiatives fostering innovation and collaboration
 - Organized technical workshops and hackathons
 - Managed a team of 15 executive members
- **Financer**, TEDxSJEC
St Joseph Engineering College Dec 2024
 - Managed budgeting and financial planning
 - Secured sponsorships and allocated resources
 - Ensured successful execution of the event