PRASHANT MENI

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CAREER OBJECTIVE

Aspiring Electronics & Communication Engineer skilled in AI, IoT, and Embedded Systems, with hands-on experience in hardware–software integration and smart technology solutions. Seeking opportunities to apply AI-driven problem-solving in sustainable systems and innovative product development.

EDUCATION QUALIFICATIONS

- **Bachelor of Engineering (B.E.), Electronics and Communication Engineering**
  CMR Institute of Technology, Bengaluru
  CGPA- 6.0, 2023-2027 | (pursuing)
- **Diploma in Electronics & Communication Engineering**
  Government Polytechnic, Rabakavi-Banahatti
  80.10%, 2021-2024
- **SSLC (10th GRADE)**
  Poornaprajnya English Medium High School, Rabakavi
  84%, 2021

TECHNICAL SKILLS

- **Programming Languages:** Python, C, Verilog
- **Software:** MATLAB, Multisim, LabVIEW, Catia V5, Kicad, VS Code, Arduino IDE, Canva
- **Version Control & Platforms:** Git, GitHub, LeetCode
- **IoT Platforms & Hardware:** ESP8266, Arduino, Micro: Bit, Blynk IoT App, Sensors (DHT11, Soil Moisture, MQ2), Relays
- **Operating system:** Windows

PROJECTS

- **Alternative Communication Device for Persons with Disabilities (PWD) using Micro: Bit**
  o Developed an accessible and affordable communication solution to empower persons with disabilities using Micro: Bit technology Programmed and configured the Micro: Bit to read and process data.
  o Programmed and configured Micro: Bit to read, process, and transmit input data for effective interaction.
  o Integrated low-cost hardware components to enhance efficiency and affordability.
  o **Tech Stack:** Python, Micro: Bit
- **IOT Based Agriculture monitoring system**
  o Enabled real-time monitoring of soil moisture, temperature, and humidity via Blynk IoT app.
  o Integrated relay-controlled water pump for automatic and manual irrigation.
  o Delivered a cost-effective and efficient solution for precision agriculture and remote farm management.
  o **Tech Stack:** C, ESP8266, Sensors Blynk IoT App
- **Smart Home Automation System using Arduino**
  o Designed and implemented a prototype smart home integrating IoT concepts with Arduino microcontroller.
  o Incorporated features like street light automation, energy-efficient control, and solar panel integration for sustainability.
  o Built a scaled 3D model house with real-time functionality to demonstrate automation features.
  o **Tech Stack:** C, Arduino Uno, Servo motor, MQ2 Sensor

INTERNSHIP

- **Tata Electronics** | Dec 2023 – Apr 2024 | Kolar, Karnataka, India (On-site)
  o Assisted the Supply Quality Management team in monitoring and evaluating supplier processes to ensure compliance with quality standards.

- o Supported incoming material inspection, defect analysis, and supplier audits to improve component reliability.
- o Collaborated with cross-functional teams to improve supplier performance and reduce non-conformance issues.

CO CURRICULAR ACTIVITIES:

- **Seminars/webinars/workshops**
  - o AI for Students: Build Your Own Generative AI Model – Hands-on workshop by NxtWave, conducted by AI Expert Mr. Abhinav Devaguptapu (Mar 1, 2025)
- **Industrial visits**
  - o Visited UR Rao Satellite Centre (ISRO), Bangalore – Gained insights into satellite design and space research.
- **Certifications, Participation Certificates**
  - o Sensors and Sensor Circuit Design – University of Colorado Boulder (Coursera, Issued Mar 16, 2025)
  - o Basics of Electronics & Programming – Successfully completed MOOC Certification (Issued Oct 1, 2024)
  - o Internship Trainee – Tata Electronics, Supply Quality Management Team (Dec 2023 – Apr 2024)
  - o Electric Vehicles and Mobility – Infosys Springboard (Nov 9, 2023)
  - o Fundamentals of IoT Development with Thing-Worx (50 Hrs) – PTC Centre of Excellence, GTTC Belagavi (Jul 2023)
- **Volunteering**
  - o Volunteer – ISKCON Whitefield (Janmashtami Festival) (16 August 2025)

PERSONAL DETAILS

Date of birth   : 7 June 2005
Gender   : Male
Nationality   : Indian
Address   : Ward No.20, Hosur tota, Hosur, Bagalkot Karnataka - 587314
Linguistic competency : English, Kannada
Hobbies   : Reading Books, Volunteering for Social Events, Listening Music