



Kunal Dhar

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PROFESSIONAL SUMMARY

I am a passionate engineer driven to blend creativity with technology to build impactful real-world solutions. With hands-on experience in embedded systems and microcontroller programming using Embedded C++, I work extensively with platforms like Arduino and ESP32. My interests lie in Robotics and AI/ML, where I apply Python and libraries like OpenCV, TensorFlow, and scikit-learn to create intelligent systems. I'm also skilled at using ChatGPT to accelerate development and problem-solving throughout my projects.

TECHNICAL COMPETENCIES

OS: Windows

Languages: C | C++ | Python | Java | HTML | CSS | JavaScript | ReactJS

Other Interests: Robotics with Ai | IOT | Automation Projects

INTERPERSONAL SKILLS

Team Leadership | Management & Coordination | Decision Making | Speaking and Writing Skills

INTERESTS & HOBBIES

Reading | Singing | Astronomy

LANGUAGES KNOWN

English | Hindi | Kashmiri

PERSONAL DETAILS

Mother's Name: Mrs.Rajni Bahar Dhar

Father's Name: Lt.Sh Kiran Kumar Dhar

D.O.B: 24-04-2001

EDUCATION

Bachelor of Technology in Electronics and Communication Engineering | Chandigarh Engineering Collage , Landan

Session: 2022-2026 | Score: 6.1 CGPA

Diploma in Electronics and Communication Engineering | ICES Polytechnic Jammu , Jammu

Session: 2019 - 2022 | Score: 8.5 CGPA

Matriculation (J & K) | Shining Star High School ,Jammu

Percentage: 69%

TRAINING & PROJECTS

- 1. GreenGPT** – Real-time environmental monitoring and automation system tracking paper, plastic, electricity, and fuel waste.
- 2. Smart Attendance System** – ESP32-CAM-based face recognition system with Google Sheets and Firebase integration.
- 3. Chainsaw Sound Detection** – Trained AI model on ESC-50 dataset to identify illegal logging and trigger alerts.
- 4. Gender-based Face Greeting** – Laptop webcam system recognizing and greeting individuals by gender.
- 5. Bluetooth Robotic Car with Camera** – Wireless control integrated with vision module for remote surveillance.
- 6. Smart Farming Robot** – Multi-functional farming bot with irrigation, seed dispensing, and weed-cutting features.

ACADEMIC ACHIEVEMENTS

Secured 1st position in NERD REDIRECT (Coding Competition) held in college in 2022 under GFG Student Chapter CEC.

Achieved Best Poster Award in ICCMST-2022 Poster making competition organized by AICTE.

Secured 5 Star badge at Hacker Rank in C++ and Problem Solving.

CERTIFICATIONS

SIH Grand-Finalist Certification

Generative AI through Microsoft and LinkedIn

Web development certification by Skilled Up

Web Designing Certification by Solitaire Infosys

EXTRA CURRICULAR & CO-CURRICULAR ACHIEVEMENTS

Singing Classical