VIRAJ MAGOTRA

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# EDUCATION

**Central University of Jammu** November 2022 – May 2026(2nd Year - Pursuing) B.Tech - Electronics and Communications Engineering CGPA:6.63/10(till 2nd Sem)

**XYZ SCHOOL** March 2021- April 2022 12th Standard

**XYZ SCHOOL** March 2019 - April 2020 10th Standard

# AREA OF INTEREST

Electronics | Robotics | Computer Aided Design | Web Development

# SKILLS

* Programming Languages: C | C++ | Python | HTML | CSS
* Web Development: JavaScript for front-end | Django | MySQL

# PROJECTS

1. Led development of innovative RC boat water detection system, utilizing advanced sensor technology for real-time water quality assessment. (Completed)
   * Designed system with precision pH, turbidity, temperature sensors, enabling actionable insights for monitoring water purity levels.
   * Spearheaded implementation of remote-controlled navigation and autonomous data collection features, ensuring efficient and accurate environmental data acquisition
2. Design and Development of Unmanned Aerial Vehicle. (Ongoing)
   * Design and Development of Mine Detection system using Computer Vision as well as metal detection.
   * Design and Development of collision avoidance System in UAV’s.

# INTERNSHIPS/ EXPERIENCE

* + **ACMEGRADE (IITB) Internship:** AI Intern, Collaborated on AI projects, contributing to innovative solutions and skill development.

# INTERN|ELECTRICAL ENGINEER |RANCHI: Providing support to all design programs for digital and radio frequency and analyzing all circuits for all technical products.

# Designing various conceptual electrical designs and guiding staff to transit all design in production

# OTHER ACTIVITIES

* + IEEE Student Branch SECERETARY, Central University of Jammu
  + Vice President, ERC.CUJAMMU- The Electronics and Robotics Club of Central University of Jammu
  + Organized an IOT-Smart Driven Workshop.
  + Got Award in sports
  + Attended Personality development worshops.