

SURBHI KUMARI

ELECTRONICS AND
COMMUNICATION
STUDENT

CONTACT INFORMATION

📞 +91-9650348221

🏠 New Delhi, India

✉️ itsmesurbhi27@gmail.com

🌐 @surbhikumari

PERSONAL PROFILE

I have a passion for learning new things and technology that interests me. I believe in open-mindedness to achieve higher growth. I do not fear not knowing things, rather it encourages me to interact and learn. I always use the best of my ability in any work done by me.

AWARDS & ACHIEVEMENTS

- Winner of National Level Robotics Competition E-YANTRA conducted by IIT Bombay and MHRD.
- Winner of Hardware Productathon conducted by IIT Roorkee 2020.
- Winner of Smart India Hackathon Hardware Edition 2019 conducted by MHRD, India.
- Winner of Smart India Hackathon Software Edition 2019 conducted by MHRD, India.
- Certificate of Excellence in C++ and Data Structures by Coding Ninjas.
- Scholars Award for securing 1st position in CBSE board class XII at school level.

EXPERIENCE & PROJECTS

Research Intern

E-YANTRA Lab IIT Bombay

- Worked on Test Driven Development for PIC controller applications.
- Included writing test scripts for PIC controller codes, random question generators, and algorithms.

Embedded Systems and Networking Intern

Aerogram Pvt. Ltd, IIT Delhi

- Worked on integration of LoRa modules in the air pollution monitoring devices.
- Implemented star and mesh networks for the devices deployed in IIT Delhi Campus.

Vice-Chairperson at BVPIEEE-RAS (2019-2020)

- Responsible for leading the team and gear up the robotics environment and conducted workshops for a great community.

Student Representative at BVPIEEE-RAS (2018-2019)

- Responsible for helping the RAS community to grow and learn from them at the same time.

BIPED PATROL

- In a team of 4, we ended up making a two-wheeled robot balancing itself using the LQR algorithm controller.

NURSE JOY - SMART ICU ROBOT

- In a team of 6, we built a Smart ICU robot to assist nurses in their daily tasks like lifting the patients.
- This was done by mimicking the actions of a nurse wearing a jacket by the robot.

Travel YaAR

- In a team of 6, we built an Augmented Reality application to show an AR view of various stadiums to the use for them select seats as per their virtual experience.

EDUCATION

Bharati Vidyapeeth's College of Engineering

Bachelor of Technology Electronics and Communication | CGPA(9.0/10) | Percentage(83.53)

S.S Mota Singh Model High School

Class of 2017 - Non Medical (PCM) | Percentage - 95.4

SKILLS AND ABILITIES

Embedded Systems

C, Embedded C, C++, Arduino, Raspberry PI, Control Systems, MATLAB, Communication Python, Simulation Softwares, V-REP), OOPS, AR / VR, Blender, Machine Learning, Unity

Soft Skills

Analytical thinking, Networking
Team Management, Leadership,
Time Management