ROLLY KRISHNAN

ELECTRONICS AND COMMUNICATION ENGINEERING

CONTACT

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GITHUB - https://github.com/rollykrishnan

CODECHEF -
https://www.codechef.com/users/nhce1nh22ec
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EDUCATION

**BE in Electronics and
Communication Engineering** -
New Horizon College of Engineering
(2022- 2026)

Higher Secondary Education -
DAV Hehal School (2021 -2022)

Secondary Education -
DAV Hehal School (2019-2020**)**

SKILLS

- Project Management
- Public Relations
- Teamwork
- Time Management
- Leadership
- Effective Communication
- Critical Thinking

SOFTWARE SKILLS

- Programming in PYTHON
- JAVA

REVELENT PROJECTS-

DANCING ROBOT

- Designed and built a mini robot capable of measuring distances.
- Collaborated with a team to integrate various ideas and technologies.
- Implemented sensors for accurate distance measurement and object handling.
- Added a dancing feature to enhance functionality and engagement.

RADAR SYSTEM

- Developed a cost-effective radar system for long-range object detection.
- Designed to support farmers and underserved communities with affordable technology.
- Integrated sensors and signal processing to improve detection accuracy.
- Collaborated on a mini project focused on practical and budget-friendly solutions.

ROBOTIC ARM WITH PULSE MONITOR

- Designed and developed a robotic glove prototype to assist individuals with hand dysfunction.
- Integrated sensors to enhance mobility and support biomedical applications for improved health outcomes.
- Addressed challenges faced by individuals with limited hand movement by implementing an automated system.
- Developed a real-time response mechanism based on pulse rate data to assist spontaneous hand movements.
- Reduced physical exertion by providing adaptive support for users with health conditions or disabilities.
- Filled patent and research paper on the project .

DYNAMIC ROUTE RATIONALIZATION

- Developed an optimized route rationalization model for Smart India Hackathon (SIH) to improve transportation efficiency.
- Designed a dynamic system that adjusts routes in real-time based on traffic, demand, and resource availability.
- Integrated data analytics and optimization algorithms to enhance cost-effectiveness and reduce travel time.

HACKTHONS

- Participated on **SMART INDIA HACKHTHON** and got selected for final round

INTERNSHIPS

- OCTANET - Having certification on the completion of 1 month internship on STACK DEVELOPMENT PROGRAM and having certification .

- SHADOWFOX - Having certication on the completion of 1 month inernship of JAVA DEVELOPMENT and having certification .

COMPANY VISITS

- TATA POWER SOLAR
- MSys TECHNOLOGIES
- VISA
- KHMD

ACTIVITIES

- Volunteered in many school as well as college event and having certificate of it .
- Dance enthusiast and involved in many flash mobs and competitions

WORKSHOPS AND CERTIFICATIONS

- NVIDIA GeForce Day: Insights into graphics and computing

- QUANTUM X WORKSHOP on Deep Learning

- NASSCOM EVENT for multiple companies

- BEST VOLUNTEER CERTIFICATE

- Beginner and Intermediate level certificate of ADVANCE C on TechGig

DECLARATION:

I, hereby declare that the above mentioned information is true to my knowledge

Place : Bengaluru

Yours Sincerely,
ROLLY KRISHNAN