





Bikash Kumar

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EDUCATION

- INDIAN INSTITUTE OF TECHNOLOGY – MADRAS**  (SEPTEMBER, 2021-PRESENT)
Bachelor of Science (BS)-Data Science and Programming
- PUNJAB TECHNICAL UNIVERSITY, JALANDHAR**  (OCTOBER, 2020-PRESENT)
Bachelor of Technology (B. TECH)-Electronics and Communication Engineering
- GOVERNMENT HIGH SCHOOL, MOKHLISPUR**  (SEPTEMBER, 2017-JUNE, 2019)
Intermediate of Science – PCM | B.S.E.B. | Percentage: 80.4%



EXPERIENCE

- Fellow at iHUB DivyaSampark, IIT Roorkee** (1st JUNE-PRESENT)
- Engineer Trainee at Tata Technologies**  (18 JULY-12 AUG., 2022)
- Accomplish my industrial Training in the **Basics of Industrial Robotics, Product Design and development, Mechatronics and IoT, and Advanced Manufacturing** conducted at CIIT IKGPTU-Kapurthala.

PROJECTS

- VARUN** - *Nurturing the Elements, Empowering the Future.*
- Project Varun, an **innovative, energy-efficient water cooler system** that optimizes cooling processes, significantly reducing energy consumption. **Incorporated intelligent scheduling, customizable temperature control, and filter replacement tracking** to enhance user comfort, promote sustainability, and **reduce operational costs.**
- ROSELLE** – *A guide to the unknown world.*
- Under this project we have developed electronic gadgets to **facilitate and empower visually impaired people.**

POSITION OF RESPONSIBILITY

- Mess committee member**  (21st MARCH, 2022-20th OCTOBER, 2022)
- Introduced cooperative mess for the first time in BH-III, serving both BH-II & III.
 - Shaped cooperative mess for national-level programs like AICTE-sponsored FDPs.
- Training & Placement Coordinator**  (6th MAY, 2021-PRESENT)

EXTRA-CURRICULAR ACTIVITIES / VOLUNTEERING

- NCC Cadet – 21 PB BN NCC KAPURTHALA**  (SEPTEMBER, 2021-PRESENT)
- NCC “C” Certificate holder
- Coordinated regional and national Programmes.**
- 3-day AICTE-sponsored Regional Conference.** 
- 5-day AICTE-sponsored FDP.**  (16th-21st AUGUST, 2022)
- Coordinated a national-level FDP and regional conference for more than **100 faculty members from around the country** organized by IRC-UHVE, with more than 10 keynote speakers focusing on UHV.
 - Collaborated with sponsors to plan and execute the FDP, ensuring seamless logistics and program delivery along with their food and Lodging which led to cost and time reduction by 40%.

PARTICIPATION

- Geodata Processing using Python**  (20th-24th FEBRUARY, 2023)
- Conducted by Indian Space Research Organization & Indian Institute of Remote Sensing, Dehradun.
- 2022 International Workshop on Group IV Photonics.**  (15th-20th MARCH, 2022)
- Organized by the ECE Department, NIT Delhi, India, and National Chung Cheng University (CCU), Taiwan.

SKILLS

PROGRAMMING:

C/C++ | Python | Java

WEB DEV TECHNOLOGIES:

HTML | CSS | JavaScript | DBMS

LIBRARIES AND FRAMEWORKS:

Bootstrap | React

OTHER TECHNOLOGIES:

git | MATLAB | IoT

ACCOMPLISHMENTS &

AWARDS

Ranked 1st in STARTUP AND INNOVATION CHALLENGE 2.0.

- Startup and Innovation Challenge 2.0 is an event organized by the Central University of Rajasthan on Engineer's Day.

Awarded CHANAKYA UG Fellowship.

- Awarded **FELLOWSHIP** to carry out research work in the “ROSELLE” scheme Sponsored by **iHUB DivyaSampark** setup under **NM-ICPS** at **IIT Roorkee.**

Ranked 1st in INNOVWAVE,

Cognizance 2023.

- INNOVWAVE** is a Business and Finance event held at the tech fest of IIT Roorkee where our startup Idea ranked 1st and won prize money of 1 Lakh.

Secured 2nd position in

INNOTECH-2023.

- INNOTECH** is an annual tech event organized by **PGSC**, the idea of our team **THE SAVANTS** competes with over 20 teams **ROSELLE** secured 2nd position.

INTERESTS

- EMBEDDED SYSTEMS & INTERNET OF THINGS**
- VLSI**
- DATA SCIENCE & PROGRAMMING**
- WEB 3.0**
- SECURITY**

LANGUAGES

- ENGLISH:** Fluent
- HINDI:** Profluent
- BHOJPURI:** Profluent
- NEPALI:** Fluent