

AKASH VARSHNEY

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EDUCATION

Institute of Engineering and Technology, Lucknow

08 2019 – 06 2023

B.Tech in **Electrical Engineering** with **8.19 CGPA**

Lucknow, India

TRAININGS AND INTERNSHIPS

Apex Powers

Engineering Intern

August 2022-September 2022

- Training on modern technologies and methodologies involved in production of **Lead Acid Batteries**
- Developed decent understanding of **Battery Improvement and Testing** methodologies

Softpro

Trainee

- Training on modern technologies and languages like **C/C++, Java, Python and Internet Of Things**
- Created a **real life project** to track **COVID statistics** using technologies
- Collaborated with **Training Instructor** and Peers building products.
- **Tech Stack** : C | C++ | Java | Python | IoT

PROJECTS

AUTOMATIC CAR PARKING SYSTEM (IN PROGRESS)

- Engineered a car parking system using **PLC, SCADA, Arduino**

GUESS-THE-MESS

- Implemented a **Binary-Search based, interactive, responsive, web gaming application** to guess a number between **1 and 1000000** in at most **20 steps**.
- **Tech Stack:-** NodeJS, Javascript, HTML, CSS, ExpressJS

SMART DUSTBIN USING ARDUINO

- Engineered a **smart dustbin hardware** using **HC-SR04** ultra sonic sensor
- Integrated with **Servo Motor , Arduino UNO and Microcontroller board** for automated response based on user-based stimuli.
- Adjudged as the best project among the **80** others in terms of the other hardware projects solving the environmental use cases and simplicity of implementation

TECHNICAL SKILLS AND COURSEWORKS

Programming Languages: C++

Courseworks: Electric and Hybrid Vehicles, Control Systems, Power Systems, Power Electronics, Object Oriented Programming Systems, Database Management Systems, SQL

Languages: Hindi, English

ACHIEVEMENTS

- Scored 63% on Developing Soft Skills and Personality - NPTEL issued by **MHRD, Government of India**
- Attended **International Conference on Defense and Space Technologies** held at Institute of Engineering and Technology Lucknow
- Actively participated in Competitive Programming and Problem Solving on various Online Judges
- Actively participated in various Athletics events held at AKTU Zonals inviting participants of over **2000+ athletes** on a zonal level
- Participated in various Athletics events held at BIET Jhansi organised by Bundelkhand Institute of Engineering and Technology, Jhansi