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AMIT KUMAR YADAV

OBJECTIVE Seeking a demanding position in a reputed industry where I can learn and enhance my skills, thereby applying my knowledge and ideas to serve the company for its growth.

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- EDUCATION**
- **MEERUT INSTITUTE OF ENGINEERING & TECHNOLOGY – MEERUT – B.TECH**
Affiliated to Uttar Pradesh Technical University and accredited by All India Council for Technical Education. Completed graduation with a major in **Electronics & Communication**, with an aggregate of **70.3 %** and **I Div.**
 - **D.B.S.D COLLEGE – GARKHA (SARAN) – INTERMEDIATE**
Affiliated with Bihar school examination board, Completed my Intermediate in the year **2013** with majors in **Physics, Chemistry** and **Mathematics**. Scored **1st** division with a percentage of **68.4 %**.
 - **PVSS DAV PUBLIC SCHOOL – KODERMA – HIGH SCHOOL**
Affiliated with Central Board of Secondary Education. Completed my High School in the year **2011** with a Cumulative Grade Point Average of **8.6 CGPA**.

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- PROJECTS**
- **ACADEMIC:**
 - **BOTOVEN** project of **E-yantra** in which two robots co-ordinate with each other to play different music note at a different location.
 - **A pattern formation** for door opens using ultrasonic and aurdino.
 - **LPG safety mechanism** and auto power cut project using MQ6 sensor and atmega microcontroller.
 - Made a **Quadcopter (UAV)** to capture images send it on laptop screen.
 - Worked on **chaser drone** project of **E-yantra** to track wildlife roaming on farms and “catch” them.
 - Worked on **TDM(Tounge drive module)** assistant system for a paralyzed person for **TI INNOVATION CHALLENGE** and B.tech final year project.

- SKILLS**
- **Hardware:** PCB Fabrication, Soldering, MSP 430 Launchpad, Raspberry pie board, Atmel AVR board.
 - **Programming Languages:** embedded C, Python, MATLAB,
 - **Software Applications:** Proteus, AVR Studio, MS Office, Keil, Code composer studio, eagle, pycharm, Cisco Packet Tracer, working on OpenCV (image processing).
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CO-CURRICULARS

- **SUMMER INTERNSHIP:**
 - TEXAS INSTRUMENTS - INTERNSHIP PROGRAM IN MICROCONTROLLER BASED EMBEDDED SYSTEM DESIGN, Texas Instruments – Centre for Embedded Product Design, Netaji Subhas Institute of Technology, Delhi – (June 06, 2016 – July 01, 2016).
 - **EAST CENTRAL RAILWAYS-INTERNSHIP IN TELECOMMUNICATION AND SIGNALING.** Venue of the internship was GM OFFICE HAJIPUR. (JUNE 2017).
- **CERTIFIED TRAININGS:**
 - Embedded & Robotics basics (January 2, 2016 – January 18, 2016) conducted at **HP WINTER TRAINING NODAL CENTER, NOIDA.**
 - Data network and Basics telecom (July 10, 2017 – August 9, 2017) conducted at **ALTTC BSNL GHAZIABAD.**
 - 2G, 3G and 4G Network basics conducted at MIET Campus by **ERICSSON** career connect program from 23 Nov to 25 Nov 2017.
- **MINI PROJECTS:**
 - **Cross the bar** game using AVR microcontroller and LCD screen.
 - A **wireless remote control** mechanism for Robot motion using **DTMF technology** or by communicating over a **radio frequency**.
 - A small scale **fire extinguisher** using the **low frequency of sound** and speaker bass.
 - An **autonomous robot** using which can follow a line, which can avoid collisions and which can also avoid falling from edges using an ATMEGA16 microcontroller.
 - **MOOD LAMP** for generating different colour combination with the help of potentiometer.
- **WORKSHOPS:**
 - Organized a two-day workshop, coordinated by **Centre for Practical Learning and Designing (CPLD)**, MIET Meerut on printed circuit board fabrication.
 - Attended a two-day Workshop on Embedded System (AVR microcontroller) and Robotics organized by IIT Delhi.
 - Attended a two-day Workshop on INRO TO QUADCOPTER UAV, by Robosapiens at IIT Delhi.

EXTRA CURRICULARS

- Organized technical events in the college under the name of **teckspark**, a technical committee of the college.
- Was a member of organizing a committee in CULTURAL event in the college fest, K O L A H A L , 2016.
- Was a member of organizing committee in a literary event in the college fest, GLITZ-2015,2016.

INTERESTS AND HOBBIES

- Embedded Systems and Internet of Things
- Listening to music, Travelling, Reading novels, cooking food
- Meeting new people and learning new things
- Sports: cricket, badminton and athletic

ACHIEVEMENTS

- Member of **Centre for Practical Learning and Designing (CPLD)** in the college with a vision to promote a maker's culture in the college as it lacked such labs.
- Organized the **ROBOCHAMPS 2017**, and was **CORE COORDINATOR** of organizing committee.
- Won the **first prize in Road Rash** at zonal level technical Fest organized by **Dr A.P.J Abdul Kalam technical university in 2015-16**.
- Won the **second prize in maze runner** at zonal level technical Fest organized by **Dr A.P.J Abdul Kalam technical university in 2015-16**.
- Won the **first prize in Robo-Race** at zonal level technical Fest organized by **Dr A.P.J Abdul Kalam technical university in 2016-17**.
- Won the **first prize in ROBO WAR** at zonal level technical Fest organized by **Dr A.P.J Abdul Kalam technical university in 2016**.
- Participated in **state level Technical fest** in different robotics event in **2015-16, 2016-17**.
- Participated in **SMART INDIA HACKATHON 2017**, organized by Govt. of India.
- Participated in **Eyantra robotics competition 2016** and goes up to the final round.
- PROJECT IDEA selected in NIYANTRA 2017, among 180 ideas in the whole India.
- Organized the **Robochamps 2016**, national level Robolympaid and was a member of organizing committee.
- Worked on a project of **TI INNOVATION CHALLENGE** organized by DST and IIM Bangalore.

DECLARATION

I hereby declare that all the information stated above is true up to the best of my knowledge.

Date:

Place:

Amit Kumar Yadav