**AMAY TIWARI**

Phoolbagh Colony, Jankipuram, Lucknow, PIN Code: 226026, Uttar Pradesh, India

Email: amaytiwari9669@gmail.com || Contact No: +91 9555808978

**EDUCATION**

**Dr. APJ Abdul Kalam Technical University** 2015 - 2019

**KIET Group of Institutions, Ghaziabad**

*Bachelor of Technology, Electrical and Electronics Engineering*  *Aggregate 78.4%*

**Montfort Inter college, Lucknow** 2014

*Higher Secondary Examination, Uttar Pradesh Board Aggregate 87%*

**Montfort Inter college, Lucknow** 2012

*Secondary School Examination, Uttar Pradesh Board Aggregate 88.34%*

**PROFESSIONAL EXPERIENCE**

**CAPGEMINI Technology Services India Limited, Pune** August 2019 - Present

*Senior Analyst*

Achievements

* Trained in Full Stack Dot net Development
* Cloud Computing Microsoft Azure
* Agile Methodology

Responsibilities

* Assisting Team processes and procedures as SPOC.
* Planning and Execution of sprints for team & Team management.
* Testing and deployment of project on cloud.

**RESEARCH EXPERIENCE**

**KIET group of Institutions, Ghaziabad** December 2017- April 2018

* ***Research Paper Title:*** *Feasibility analysis for enhancement of output power of solar p-v panel using phase change material (PCM) based cooling technique*
* Description: MATLAB based simulation of output power of a photo-voltaic panel was found to be enhanced when equipped with a middle layer of PCM material which provided a better cooling of PV panel.
* Published in Malaya Journal of Matematik, Malaysia; Paper Link: [10.26637/Mjm0s01/09](about:blank); December 2017
* ***Research Paper Title:*** *RFID based student monitoring system using GSM and PLX-DAQ*
* Description: A real time hardware project for monitoring student presence/absence record in a database and providing a mobile text notification on the parent mobile phone if student is found absent on a working day via Radio Frequency based Identification cards.
* Published UGC approved International Journal of Research in Engineering, It & Social Sciences (IJRESIS); Paper Id: 52018/18S513; April 2018

**PROJECTS**

**Smart Cooler with Google Assistant Voice command** April 2018 **-** March 2018

* Aim: In this project was designed and fabricated for the technical event judged by a panel of industrial experts where while working in team we had to develop a market research for the product in order to understand its market size and demand and also took cost analysis into consideration.
* Description: Internet based smart cooler was fabricated which would automatically fetch water from tank once water level go below certain level measured via sensors and Google voice commands templates were uploaded in order to operate cooler functioning remotely via user mobile phone
* Market Research via offline and online data extracting, Cost Analysis, Team management.

**Pick and Place Robot** April 2018 **-** March 2018

* Aim: To complete a track arena & pick wooden block with help of robots and form Alphabets T, W and create Solid structures like Pyramid and Prism over a cylinder prepared by team Techkriti IIT Kanpur.
* Description: Designed and Fabricated two pick and place robots via microcontroller Arduino UNO and maneuvered by PlayStation Gamepad, team size of 5.
* Designing and Fabrication of two pick and place robots

**Smart Waste Management System (Smart Dustbin)** November 2017 **-** November 2017

* Aim: To create a smart dustbin using Internet of things to detect the saturation level of garbage collector and notify municipality waste management with location of garbage collector via a text message.
* Description: Using a microcontroller Arduino and level detector sensors for detection of the level of garbage collected, programed in a way to judge the saturation level of dustbin and inform municipality using GSM sim card used for generating a text alert notification with its location prior any spillage of litter on road.
* Made a smart dustbin with microcontroller Arduino uno & GSM module

**Society of Automotive Engineers (SAE) INDIA SUPRA** May 2016 **-** June 2017

* To design, fabricate and simulate formula vehicle according to rule book provided by SAE INDIA
* Description: Team of 25 people from all four years working in four major departments Roll cage & Aerodynamics, Engine & Transmission, Suspension, Brakes & Tyre my department was Engine &Transmission in which I created a Simulink model of Intake to exhaust of vehicle via Lotus engine simulation and lead as vice head of marketing and surveying.
* Doing this year long project inculcated some of pivotal qualities like Time management, Team Management, Optimum Utilization of resources and Decision Making.

**INTERNSHIPS**

**Bharat Electronics Limited (BEL), Ghaziabad** June 2018 - July 2018

* Bharat Electronics Limited which is a PSU working under Ministry of Defense during the training, I learned about Air Defense Ground Environment System which included Design Engineering division, Radar system, Microwave Components, Automation systems, for Indian Air force and Army, BEL had several units working in Power supply, Manufacturing, Testing and Quality Control. While training I relished the opportunity to learn the co-ordination in various departments from fabrication of a product to the testing of prototype and to quality regulation work assembly & how product quality control and assurance is taken into considerations via Industrial standards and ethics followed also the team management, getting chance to witness the best of both technological and managerial

**TECHNICAL SKILLS**

* **Programming** : OOPS C#, Elementary Python, Typescript
* **Software Package** : Visual Studios 2019, JENKINS, Microsoft Azure, Amazon web services, SQL database management, Lotus Engine Simulation, Adobe Photoshop
* **Tools/Technologies** : Angular 6, Visual code, Bootstrap, Internet of Things (IOT), MS office,

**TRAINING AND CERTIFICATIONS**

* Attending a virtual program - Go to Market with Microsoft, Online 2020
* The Neuro-Marketing as Toolbox – Copenhagen Business School, Coursera 2020
* Six Sigma Yellow belt – 6sigma study 2020
* Information Systems and auditing control assurance –Hong Kong University of Science & Technology 2020
* Agile Software Development- University of Minnesota 2020
* German A1 level paid course – Udemy 2019
* Programming for everybody python – University of Michigan 2018
* Introduction to Internet of things & Embedded systems- University of California 2018
* Attended a seminar on Innovative Applications of Computational Intelligence hosted by IEEE, - IIT Delhi 2016
* Hands on training on LED light manufacturing – KIET group of institutions 2016

**ACHIEVEMENTS**

* Emerged as the Second Runner-up in INNOPATRAM Innovative Entrepreneurial Idea Presentation by putting forward an idea of developing a free online portal which has a comprehensive study material for children in rural areas for their elementary learning and development (2015)
* Awarded for Open Mic conducted by Team Odyssey Literary Society KIET group of institutions (2018)

**EXTRA-CURRICULAR ACTIVITIES**

* Serving for the awareness program of COVID 19 and promote safety against CORONAVIRUS conducted by ALL INDIA INSTITUTE OF PUBLIC & PHYSICAL HEALTH SCIENCES (AIIPPHS) under MY GOV FIT INDIA initiative. LUCKNOW 2020
* Associated with a government NGO EKAL Future group which helps unprivileged poor children by providing them literacy involved in <attending meeting for welfare of children and reach to serve children with upcoming event via WhatsApp notifications >, Lucknow (2020)
* Participated in Model United Nations - United Nations General Assembly UNGA -Disarmament and International Security DISEC as a delegate of GUYANA I passed several motions on NON POLIFERATION TREATY and supported Disarmament of Nuclear power. KIET group of institutions (2018)
* Organized and promoted a FIT India Run Event “Keep Hustling” under Ministry of Youth Affairs and Sports, due to covid19 an online event was organized and spread via social media to join event and take part in physical fitness via running for about 1-5 km every day for 4 weeks maintaining proper safety and hygiene LUCKNOW (2020)
* Took part in the Assembly Disarmament International Security (UNGA-DISEC) held at KIET, place (2018)
* Participated in Robo Maneuver and Mandakini Astronomy quiz held at TECHKRITI by IIT KANPUR (2018)
* Working as a Core Member of Sponsorship team of college annual cultural event PRASTUTI’18 and secured sponsorships from several national and international brands (2018)
* Participated and qualified for semi- final round of Technical event INNOTECH ROBO RACE, KIET group of institutions (2018)
* \*\*\*Involved in the sponsorship team for PRASTUTI’18 cultural fest held at KIET, place (2018)-\*\*\*\*mentioned above
* \*\*\*Participated in Model United Nations UNGA DISEC, place (2018)\*\*\*
* Emerged as the Second Runner-up in INNOPATRAM Innovative Entrepreneurial Idea Presentation by putting forward an idea of developing a free online portal which has a comprehensive study material for children in rural areas for their elementary learning and development (2015)
* Conducted a seminar/conference in IIT Delhi on Innovative Applications of Computational Intelligence which brought several personnel from IEEE community to present their research papers on implementing smart grid in power supply, use of VLSI technologies etc. apart from technical knowledge (2016)
* Volunteered for National event 9th AWIM (A World in Motion) National Olympics conducted annually by Maruti Suzuki at New Delhi (2017)
* \*\*\*Vice Head of Engine & PowerTrain, Survey & Marketing during National Event of Supra SAE where designed, fabricated and simulated Student Formula Vehicle (2016-2017)\*\*\* mentioned above in projects

Note: Please write the missing information and duration (month, year) wherever asked for. I can arrange all the data in reverse chronology only after you provide me with all the missing inputs. Kindly provide the details in the comment boxes only for me to identify them easily.