**AMAY TIWARI**

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**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 and Amazon Web services
* Agile Methodology
* Won goodies in dance during prom night in training.

Responsibilities

* Assisting Team processes and procedures as SPOC and carrying out team meetings
* Planning and Execution of sprints for team & Team management
* Continuous Testing and Continuous deployment of project on cloud
* Fornt end Angular designing of Project on Hotel Management system
* Presentation on philosophical life topic (who am I?) during K-rep sessions organized by business unit

**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; 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** March 2018 – April 2018

* Aim: To develop a market research for a product in order to understand its market size and demand with taking cost analysis into consideration
* Fabricated Internet based smart cooler was which would automatically fetch water from tank once water level went below a certain level measured via sensors; Google voice commands templates were uploaded in order to operate cooler functioning remotely via using mobile phone
* Conducted market research via offline and online data extracting, cost analysis, and team management

**Pick and Place Robot Techkriti IIT Kanpur** March 2018 - April 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
* Worked on designing and fabrication of two pick and place robots
* Designed and fabricated two pick and place robots via microcontroller Arduino UNO and maneuvered by PlayStation Gamepad, team size of 5

**Smart Waste Management System (Smart Dustbin)** 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.
* 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

* Aim: To design, fabricate and simulate formula vehicle according to rule book provided by SAE INDIA
* Worked with a team of 25 people to create a Simulink model of Intake to exhaust of vehicle via Lotus engine simulation and lead as Vice Head of Marketing and Surveying

**INTERNSHIPS**

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

* 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; managed co-ordination in various departments from fabrication of a product to the testing of prototype and to quality regulation work assembly as well as how product quality control and assurance is taken into considerations via Industrial standards and ethics followed also the team management

**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 may have comprehensive study material for children in rural areas for 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 at Lucknow (2020)
* Associated with a government NGO EKAL Future group to help unprivileged poor children by providing them literacy involved at Lucknow (2020)
* Organized and promoted an online FIT India Run Event “Keep Hustling” under Ministry of Youth Affairs and Sports, maintaining proper safety and hygiene Lucknow (2020)
* 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 in Model United Nations - United Nations General Assembly UNGA- Disarmament and International Security DISEC as a delegate of Guyana and passed several motions on Non-Proliferation Treaty as well as supported Disarmament of Nuclear power for KIET group of institutions (2018)
* Participated and qualified for semi- final round of Technical event INNOTECH Robo Race, KIET group of institutions (2018)
* Volunteered for National event 9th AWIM (A World in Motion) National Olympics conducted annually by Maruti Suzuki at New Delhi (2017)
* 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)