Anthony

*BE (Hons) in Mechatronics Engineering*

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| EDUCATION | OBJECTIVE |  |
| **Middle School | 2009** | Currently seeking a |  |
| Our Own High School, Al Warqa’a, Dubai | challenging opportunity in |  |
| **High School | 2011** | a leading organization to |  |
| apply excellent analytical, |  |
| Cathedral High School, Bangalore, India |  |
| problem-solving and |  |
|  |  |
| **A Levels (Foundation) | 2013** | technical skills to further |  |
| Asia Pacific University, Kuala Lumpur, Malaysia | develop my engineering |  |
| **BE (Hons) Degree | 2017** | skills and my leadership |  |
| and teamwork attributes so |  |
| *BE (Hons) Degree in Mechatronics Engineering from* |  |
| as to promote efficiency |  |
| *Staffordshire (UK)* |  |
| and effectiveness within |  |
| Asia Pacific Institute of Information Technology, |  |
| the company and provide |  |
| Panipat, India |  |
| for myself with quality |  |
|  |  |
| **Post Graduate Diploma - MEP Engineering | 2018** | experience and career |  |
| SMEC Labs, Bangalore India | development. |  |
|  |  |  |
| PROFILE |  |  |



As an Engineering graduatein Mechatronics with strong MEP qualifications , possessing wide knowledge in Mechanical design, HVAC and Plumbing systems, control systems & embedded systems.

Also possess strong problem solving abilities and analytical skills and able to work in a constantly changing work environment. Able to conduct extensive and critical research and communicate ideas and designs effectively.

MEP SKILLS

**HVAC**

Design various types of HVAC systems – centralized air conditioning, window & split type air conditioning, packaged terminal air conditioning, etc. Exhaust systems, Pipe sizing & layout for chilled water & heating water systems & Equipment selection. Heat load calculations, Estimation, Quotations, Ducting design and Shop Drawings. Ducting Layout and AHU schematic layout.

**Plumbing**

Commercial domestic water and hot water systems, Central domestic water heating plant design, Commercial plumbing systems design, Pump Head calculations, Pump, water heater and sanitary items selection, loading Unit Calculations & Pipe Sizing, Materials, Fittings and Execution of Installation, Drainage Pipe Line, Storm Water Pipeline, Water Tank, Water Heater, Booster Pump, Transfer Pump, Sump Pump and controls.

**Electrical**

Sizing of equipment’s like transformers, cables, Circuit breakers, UPS. Preparing power distribution network. Preparation of cable tray layouts. Preparation of Specifications and tenders for electrical equipment. Interior and Exterior Lighting Design, Recreation Centre Design, Security System Infrastructure Design.

**Fire Fighting**

Fire Alarm Design and Layout, Fire Stand Pipe System, Fire Hose Cabinets & Fire Hydrants Selection. Fire Alarm System Designing, Active and Passive Fire Protection System, Fire Water Sump Sizing, Over Head Tank Sizing.

T E C H N I C A L S K I L L S

**Embedded Systems**

* Automation by programming and interfacing transducers and sensors with micro controllers, Arduino & various other controller boards.

**MATLAB**

* In-depth knowledge of GUI design in Matlab and Usability Architecture.
* Able to compute complex numerical operations.
* Proficient knowledge in Simulink for modelling, simulating and analysing multi-domain dynamic systems.

**Image Processing**

* Able to import, analyse and manipulate images via image acquisition tools.
* Proficient knowledge on RGB conversion, edge detection and image enhancement to extract data for further operations.

**Microsoft Office**

* Experienced in Word, Excel, PowerPoint and Outlook.
* Able to efficiently deliver reports and communicate deigns through presentations.
* Extensive knowledge of multiple generations of Microsoft Office
* Experienced with data sorting and filtering.

PERSONAL SKILLS

* Able to quickly & efficiently learn and execute new tasks.
* Planning & Strategic Thinking
* Decision Making
* Qualitative & Quantitative Analysis
* Excellent Research Skills
* Meeting deadlines and Time Management
* Ability to work under pressure
* Good Leadership & Project Management Skills
* Excellent Team Player

LANGUAGES

English



Hindi



Tamil



PROJECTS

**Accelerometer Based Door Unlocking System**

Designed a door unlocking system by interfacing an accelerometer module to a microcontroller. The door would unlock if the right sequence was detected

**Dynamic Traffic System Using Image Processing**

Designed a 4 lane traffic system that would operate in real time using image processing to detect and count vehicles

PERSONAL PROFILE

**Date of Birth** 11 January, 1995

**Gender** Male

**Nationality** Indian

**Marital Status** Single

*Holding valid Indian Driving License\**