



PARTH | DHABALIA

B. Tech (Electrical Engineering)

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OBJECTIVE

- Seeking an internship position with the firm in order to build upon skills necessary for the industry.

EDUCATION

Program	Institution	%/CGPA	Year of Completion
B.Tech (Electrical Engineering)	Indian Institute of Technology Tirupati	7.44/10.00	2020 (Expected)
Senior Secondary Education	Shiv Jyoti Sr. Sec. School, Kota, RBSE.	83.60%	2016
Secondary Education	Saint Mary's School, Rajkot, GSEB.	83.50%	2014

INTERSHIPS

- Migration of Legacy Data from SQL to Elasticsearch – Cyient Limited, Hyderabad, India.**

Summer Intern (June - July 2018) | [Internship Report](#) | [Internship Completion Letter](#)

This project aimed to migrate user's legacy data stored in SQL servers to Elasticsearch server. It aimed to create a smart GUI for users such that they can enter the name of database, provide some information regarding database as asked and the migration of the data remained just a click away. This had become possible with the help of Java High Level REST Clients, which allowed user to communicate with ES and operate on its document-based database. The only reason of prioritizing ES over SQL was that the search engine in the former is way faster than SQL which enables user to search data in a large pool easily and helps the application work efficiently.

Guide : Mr Murali Ayyagari, DGM, Cyient Limited, Hyderabad, India. / [LoR](#)

ACHIEVEMENTS

- Joint Entrance Examination Advanced 2016 : Secured All India Rank 5865 among 0.2 million candidates appearing for the test.
- Qualified for Grand Finale of Smart India Hackathon : National Level Technical Event conducted by Govt. of India.

PROJECTS

- Quadcopter** (October'16 – January'17)
 Built a programmed Remote controlled quadcopter with Librepilot software. Demonstrated its working at IIT Tirupati's technical festival, "Anfang".
 Mentor : Prof. Natarajan, IIT Tirupati.
- Prabandh** (November'17 - January'18)
 An inventory management software, fully designed in JAVA and MySQL as the host database.
 Mentor : Ramesh Krishnan, Project Advisor, IIT Tirupati.
- Detection of counterfeit currency using Image Processing.** (March'18 – April'18)
 GUI designed in JAVA enabled user to upload images of currency and MATLAB was used to segment image and extract the required features for detection of legitimacy of the currency.
 Mentor : Dr Kalidas, Assistant Professor, IIT Tirupati.
- Converting Image to Text Document using Image Processing** (January'19 – April'19)
 This mini project aimed to pre-process, segment, and recognize the letters in an image using CNNs and Image Processing and store the information in .txt file.
 Mentor : Dr Ramakrishna Gorthi, HOD, Electrical Engineering, IIT Tirupati

- **Complete Blood Count of given blood sample using Image Processing (August'18 -November'18)**
This mini project aimed to develop Matlab Programs which can classify different blood cells into RBC, WBC, plasma, etc. and count them using fundamental image processing algorithms.
Mentor : Dr Ramakrishna Gorthi, HOD, Electrical Engineering, IIT Tirupati

SKILLS

- **Programming Languages**
 - Traditional languages – C, SQL, VHDL, HTML, CSS.
 - Object Oriented languages – JAVA, Python
- **Software Tools**
 - MATLAB, LabVIEW, Vivado 2.6 & PSPICE Simulators
 - Arduino, Eclipse, Kibana
- **Soft Skills**
 - Laudable communicative and oration skills
 - Malleable and ready to work with a team.

COURSE WORK

- **Key Courses taken**

○ Analog Circuits	○ Electric Circuits and Networks
○ Control Engineering	○ Introduction to Communication Systems
○ Electro Magnetic Fields	○ Solid State Devices
○ Power Systems	○ Electrical Machines
○ Digital Signal Processing	○ Digital Systems
○ Signals and Systems	○ Linear Algebra
○ Integral Calculus	○ Basic Graph Theory
○ Complex Variables	○ Principles of Economics
○ Introduction to Financial Management	○ International Trade and Finance
○ Machine Learning for Image Processing*	○ Linear Dynamical Systems*
○ Principles of Measurement*	○ Power Electronics*
 - **Labs**

○ Digital Circuits	○ Analog Circuits
○ Electrical Machines	○ Digital Signal Processing
○ Electrical CAD Lab*	
- * To be completed in April 2019.

POSITIONS OF RESPONSIBILITY

- Sponsorship & PR Head, Tirutsava 2018.
- Marketing Head, Tirutsava 2019.
- Placement Representative, Electrical Engineering'16 *(Apr'19 - Present)*
- Member of Technical Affairs Council, IIT Tirupati. *(Aug'18 - Present)*
- Co – coordinator, Digital Wizards (Code Club), IIT Tirupati. *(Aug'17 – Dec'17)*
- Marketing Co – coordinator, Sargam (Music Club), IIT Tirupati. *(Aug'17 – Apr'18)*

EXTRA CURRICULAR ACTIVITIES

- Secured 4th rank in “Periloscope challenge”, TechFest'18, IIT Bombay.
- Active volunteer of Navajeevan Blind Schools under National Service Scheme programme at IIT Tirupati.
- Represented IITT at IITGn for Student's Leadership Conclave 2018.
- Stood first in line following bot competition, Bot Rivalry, Anfang 2k17, IIT Tirupati.
- Stood first in treasure hunt competition, Freshers' week'16, IIT Tirupati.