Raj Dhamsaniya

School of Engineering and Applied Science
Stream : Information & Communication Technology
Date of Birth: 28th August, 1998

AHMEDABAD UNIVERSITY

ACADEMIC DETAILS

Degree	Institute / School	Board/University	Year	Results
B. Tech (ICT)	School of Engineering & Applied Science	Ahmedabad University	2015-19	3.40/4.33
HSC	Shree G.K. Dholakiya High School	GSHSEB	2015	87.53 %
SSC	Shree G.K. Dholakiya High School	GSEB	2013	92.83 %

B.TECH. PROJECT

- **Consensus using Practical Byzantine Fault Tolerance** (Jan'19 – On going)
  Mentors: Prof. Sanjay Chaudhary Team Size: 1
  Language & Tools: Docker-compose, grpc, golang
  The project is developed as B.Tech. final year project. Aim of the project is to state and modify the problems in implementation and scaling of pBFT for consensus mechanism in blockchain technology by various methods.

SUMMER PROJECT

- **Agriculture Input Verification using Blockchain Technology** (May'18 – July'18)
  Mentors: Prof. Sanjay Chaudhary, Dr Vikram Sorathia Team Size: 1
  Language & Tools: Hyperledger Composer, Node.JS, VS Code
  The project is developed as a part of a summer intern at School of Engineering and Applied Science. It's a web-based blockchain application for verification of agriculture inputs using Hyperledger Fabric and Composer technology with Node.JS integration.

PROJECTS

- **IaaS and PaaS implementation** (Sept'18 – Oct'18)
  Mentor: Prof. Sanjay Chaudhary Team Size: 3
  Language & Tools: Docker, python, mysql, Xen
  IaaS is implemented by virtualization using Xen server on bare metal. PaaS is implemented by implementing MySql Database as a platform using Docker.

- **Gender Recognition** (Fab'18 – April'18)
  Mentor: Prof. Mehul Raval Team Size: 4
  Language & Tools: Python, OpenCV
  I have achieved around 80% of accuracy for gender recognition model trained on 10,000 images and tested on 400 images of the wiki-IMDB dataset. It is achieved using PCA and LDA of the dataset. The project is done as a part of the Machine Learning course.

- **RAID management** (Sept'17 – Dec'17)
  Mentor: Prof. Sanjay Chaudhary, Prof. Mansukh Savaliya Team Size: 2
  Language: C
  I have designed software RAID of level 1 and level 4 in C language as part of Operating System subject. The used concepts are Inter-Process Communication, Message Passing and File Management.

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- **Event Gallery web application** (June'18)
  Language & Tools: ASP.net MVC, Visual Studio, Microsoft SQL Server 2014   Team Size: 1
  I have designed web application using Asp .net MVC5 with entity framework as an extension to the STTP at Darshan Institute of Engineering and Technology. It is a local area network application for managing photos of events at the institute.

TECHNICAL SKILLS

- **Tools:** Matlab, LaTex, Xilinx ISE, Wireshark, Visual Studio, Docker, Hyperledger Composer, MS SQL Server, Git
- **Framework:** Node.JS, Entity(ASP.net MVC)
- **Languages:** C/C++, Java, Python, Shell, CSS, HTML, JavaScript, C#, SQL
- **Technologies:** Blockchain, Cloud Computing

ACTIVITIES & HONOURS

Co-Curricular Activities
- Worked as Teaching Assistant for Introduction to Blockchain Technology course at SEAS - AU.
- Applied CS with Android – Workshop
- Short Term Training Program on ASP.net MVC with Entity Framework - workshop
- IBM Blockchain Foundation Developer – IBM recognized badge
- IBM Blockchain Essential - IBM recognized badge

Extra-Curricular Activities
- Attended Adventure and Nature Education Camp by Invincible NGO at Manali.
- Volunteer and participant in Ingenium 2017

Publication
- Paper – MMPL(Medicine Multi-Participant Ledger) : A blockchain based solution to tackle the problem of illegal use and manufacturing of medicine, accepted at International Workshop on Blockchain Technology 2018, co-located with BDA 2018.

GATE
- Score – 559
- Marks – 48.33
- AIR - 3044

OTHER INFORMATION

- **Hobbies:** Reading, Travelling, Walking
- **Area of Interest:** Cloud Computing, Blockchain