

ABHIMANYU TAK

Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT)

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DOB: July 17, 1992

EDUCATION	DA-IICT, Gandhinagar, Gujarat, India B.Tech in Information and Communication Technology	2011-15 GPA: 6.91/10.0
	DAV Public School, Kota, Rajasthan CBSE	2009-10 Percentage: 77.00
	Mayoor School, Ajmer, Rajasthan CBSE	2007-08 Percentage: 87.40
AREA OF INTERESTS	Software Development, High Performance Computing, Computer Graphics, 3D Games/Simulation, Free and Open Source Software and Embedded Systems.	
TECHNICAL SKILLS	<ul style="list-style-type: none">• <i>Programming Languages:</i> Python, C++, JAVA, C, CUDA, SQL.• <i>Graphics and Game Dev:</i> OpenGL, Unity3D, Adobe Flash.• <i>IDEs:</i> CodeBlocks, Visual Studio, Eclipse, Canopy.• <i>Web Technologies:</i> HTML5, CSS3, Bootstrap API.• <i>Embedded Programming:</i> AVR, Arduino.• <i>Designing:</i> GIMP, Adobe Photoshop.• <i>Version Control:</i> Git, Mercurial.	
EXPERIENCE	Industrial Internship Defence Research & Development Organization Mentor : Dr. Rajesh Kumar, Sc 'F' Created a Virtual Scene Simulation Software using Unity 4.5 which simulated a drill done during a hazardous attack to quarantine the hazard zone.	(May'14 - June'14)
	Rural Internship Foundation for Ecological Society Mentor : Ms. Pratiti Priyadarshini Did topological survey of villages and mapped the resources, landmarks and village boundary with the help of GPS, Garmin MapSource and Google maps.	(December'12)
PROJECTS	GPU Based Parallization of Computational Electromagnetic Code Mentor : Dr. Bhaskar Chaudhury Undertaken as BTech research project, an implementation of a heterogeneous parallel FDTD code was done in CUDA C for investigating propagation of electromagnetic wave in plasma medium.	(January'15 - April'15) (Team - 3)
	BFS Implementation in CUDA Mentor : Dr. Bhaskar Chaudhury Implemented a multithreaded parallel code for Breadth First Search for achieving better performance over serial code.	(October'14 - November'14) (Team - 1)
	Hobby Bar Mentor : Prof. Pranav Joshi Developed a website under the Software Engineering course on pursuing and discovering new hobbies. The website was built using web framework called Meteor.	(February'14 - April'14) (Team - 10)
	Portable Blood Group Detector Mentor : Dr. Amit Sengupta	(February'14 - April'14) (Team - 5)

Developed a portable system using image processing techniques to detect the blood type of a person which gives quick results and can be installed in any ambulance for emergency purpose.

Database - Real Estate

(August'13 - November'13)

Mentor : Dr. Minal Bhise

(Team - 2)

Designed a database for Real Estates under DBMS course, derived ER model, mapped to a relational database schema and normalized it. Wrote SQL queries on the database and in the last phase worked upon a GUI interface for insert, delete and update.

FB-Gmail Notifier

(August'13 - September'13)

Mentor : Dr. Rahul Dubey

(Team - 4)

A Python script was written to get notification from Facebook and Gmail account. The script serially sends the notification to Arduino which in turn shows the message on two seven segment LEDs.

**AWARDS AND
ACHIEVEMENTS**

- Got selected for **Google Summer of Code 2015** as a student developer for Copyleft Games.
- Won 3rd prize in Line Seguidor(Line follower bot) in Ignus'15, IIT Jodhpur.
- Won 1st prize in I-Database in IFest'14 organized by IEEE Student Branch, DAIICT.
- Won 2nd prize at NIFT's annual festival Spectrum'13 for performing street play.
- Won the most active club member award for EHC at Annual Felicitation Ceremony 2013, DAIICT.

**POSITIONS OF
RESPONSIBILITY**

- Convener, Electronics Hobby Center, DAIICT. (July'14 - April'15)
- Organizing Committee Member, Annual Festival DAIICT, Synapse. (August'13 - March'14)
- Resource and Event Manager, Electronics Hobby Center, DAIICT (February'13 - April'14)
- Coordinator of event I-Electro, I-Fest, DAIICT. (October'13 - November'13)

COURSES

Computer Science - Data Structures and Algorithms, Computer Graphics, GPU Programming, Animation, System Software, DBMS, Models of Computation, Operating Systems, Computer Organization, Computer Networks.

Electronics - Digital Logic Design, Analog Circuits, Embedded Hardware Design, Medical Electronics, Introduction to VLSI.

Mathematics - Probability and Statistics, Discrete Maths, Algebra, Calculus.

HOBBIES

Playing Guitar, Reading Fiction, Event Management.

LINKS

Website:

abhimanyutak.github.io

Github:

github.com/abhimanyutak