

Viraat Aryabumi Reddy

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EDUCATION	Osmania University, Chaitanya Bharathi Institute of Technology Hyderabad, India <i>Bachelor's of Engineering, Information Technology</i> 09/12 - present Academic score: 81.5%
PROJECTS	Prediction of Crop Attributes using CBIR <i>Dept. of Information Technology, CBIT</i> (20/7/2015 - present) Aims to use Content Based Image Retrieval in order to detect and predict various agriculture crop attributes like yield, disease, etc. File System simulation using INODE <i>Mission R&D, Hyderabad</i> (30/5/2015 - 30/6/2015) Simulated a file system of INODE using pointers and file system in C. Smart Home Automation using Arduino <i>Dept. of Information Technology, CBIT</i> (20/1/2015 - 20/4/2015) Used the Arduino Platform to develop a smart home automation system which learns from the User Inputs using a decision tree algorithm. This project was selected to be presented at Student Innovator Award 2015 by ICT Academy of Tamil Nadu. Visualization of Sorting Algorithms using Arduino <i>Dept. of Information Technology, CBIT</i> (20/1/2015 - 20/4/2015) Used the Arduino Platform to visualize sorting algorithms using an 6x2 LCD. Website development <i>Dept. of Information Technology, CBIT</i> (1/7/2014 - 10/11/2014) Developed a web application that can handle sessions and database connectivity. Android Application development <i>Dept. of Information Technology, CBIT</i> (20/1/2014 - 20/4/2014) Developed an Android app for the College to provide basic information.
COMPUTER SKILLS	Languages: C, C++, Java, Bash, Python, SQL, L ^A T _E X. Web Development: HTML, CSS, JavaScript. Applications: Eclipse, Visual Studio, Git, XCode, MySQL, Microsoft Office Suite, Adobe Photoshop Operating Systems: Unix, Mac OSX, Windows, Android, iOS
RELEVANT COURSEWORK	Electrical and Electronic: Microelectronics, Electrical Circuits & Machines, Digital Electronics & Logic Design, Microprocessors, Computer Organization, Digital Signal Processing, VLSI Design. Computer Science: Data Structures, Discrete Mathematics, Probability & Random Processes, Web Technologies, OOP Using Java, Data Communications, Software Engineering, Database Management Systems, Operating Systems, Theory of Automata, Computer Networks, Compiler Construction, Object Oriented System Development, Artificial Intelligence, Design & Analysis of Algorithms, Computer graphics, Information Security, Middleware Technologies, Distributed Systems, Grid Computing. Others: Engineering Mathematics, Environmental Studies, Managerial Economics & Accountancy, Inter-personal and Business Communication Skills
EXPERIENCE	Software Engineering Intern 25/11/2015 - present Working on a project, involving Software development for some Utility Companies in the world. Trainee 30/5/2015 - 20/6/2015 Gained expertise in computer science fundamentals, and proficiency in professional software development tools and latest programming platforms. Assimilated the concepts

and imbibed problem solving techniques.

Assistant Product Engineer and Cultural Specialist (Intern)

27/7/2014 - 29/8/2014

Social Entrepreneurship Lab, Stanford University

Stanford, CA/Maharashtra, India

Developed a low-cost, compact demonstration kit for the drip irrigation company Driptech, headquartered in India. Was instrumental in innovating the design for the final demo kit that was put into production.

Test Assistant

1/5/2014 - 30/5/2014

Dr. Apaar Sadhwani

California, US

Assisted Dr. Apaar Sadhwani in testing various heuristics to optimize the LiST (Lives Saved Tool).

Technical Consultant (Part-time)

11/2013 - 10/2015

Hazzel Diary Products

Hyderabad, India

Organized and provided the required technical infrastructure for several E-Sports Tournaments. Improved sales by use of data analytics. Photographed and designed several marketing campaigns.

Technical Consultant (Part-time)

5/2015 - 12/2015

Banyan Securities and Financial Services

Hyderabad, India

Helped procure appropriate Software and hardware for the use of the Company and Staff. Created appropriate IT systems and maintained Clients Database.

ACHIEVEMENTS

- Grades 3, 2, 1 western classical piano from Royal School of Music, London.
- Photography (www.facebook.com/var7photography/).
- Ranked number 3 in "B" Category at Junior Golf in India South Zone. Won the Kodai Golf Open in 2009 ('B' Category). Finished 3rd at the Coorg Junior Open (2009), Ooty Junior Open(2009), Hyderabad Junior Open (2012) Golf Championships.
- Charge D'Affaires (Organizing Committee head) of CBITMUN 2014, Director of the ITU, CBITMUN 2013.
- Core team member of the Google Student Club, CBIT.
- Head of the Android Student Club.
- Participated in Code for Good, a 24 hour hackathon organized by JP Morgan & Chase.
- Publicity team member of Carpe Diem, the biennial fest of CBIT.
- Design Head and Coordinator for App Development Contest, Tecstasy 2015.
- Represented Bharatiya Vidya Bhavan School in Cricket and Football.
- Represented CBIT in Football.

SOCIAL ACTIVITIES

M Venkatarangaiya Foundation

Presented my Intern's report entitled "Volunteers and Students at MVF: A Case Study" for the largest NGO working on mainstreaming child laborers in South India.

Student Think Tank Initiative, India

Conducted a workshop for school children on "Design Thinking". Mentored these children to successfully submit an entry to the Design For Change Competition 2015.

The Orange Leaf

Served as an EB member and Head of Design for 2015. The orange leaf is a student organization working for the social causes - Education, Animal Welfare, Environment and Health.

Crossfire

Volunteered to organize and photograph a book donation drive for Crossfire that has opened several libraries in govt. schools.