Viraat Reddy Aryabumi

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DOB: 8th Dec 1994   123, Rd 7A, Jubilee Hills
Nationality: Indian   Hyderabad, 500033, India

EDUCATION

Stanford University Summer Session
Stanford, CA   06/16 - 08/16
Courses: Data Mining and Analysis, Leading Trends in IT, Psychology of Technology,
Sustainability Design Thinking   Academic grade: A
Osmania University, Chaitanya Bharathi Institute of Technology
Hyderabad, India   09/12 - 05/16
Bachelor's of Engineering, Information Technology   Academic score: 80.2%
Board of Intermediate Education, AP
Hyderabad, India   09/10 - 05/12
Intermediate Education, Maths Physics Chemistry   Academic score: 90.5%

EXPERIENCE

Coordinator Research Catalogue   TTO, IIIT-H Foundation
03/2017 - present   Hyderabad
Helping build a technology catalogue to facilitate technology transfer from academia
to industry.

Chief Design Officer Quicka   Silicon Valley Innovation Academy
21/6/2016 - 12/8/2016   Stanford, CA
Quicka bridges the disconnect between people who need services and those who are
willing to provide them for extra side income. Quicka was a part of SVIA.

Guest Researcher   CSIR - IGIB
1/2017 - present   New Delhi
Currently working with Dr. Vinod Scaria at the Institute of Genomics and Integrative
Biology to build a model to classify Acute Myeloid Leukemia Cancer patients using
genetic markers.

Intern   BYOR
9/2016 - 12/2016   Redmond/Hyderabad
BYOR is an AI-powered resume helper based on hiring managers' feedback. Worked
on improving skill suggestion; improvement of quality of phrases returned using Python
PANDAS.

Software Engineering Intern   Cyient Ltd
25/11/2015 - 26/01/2016   Hyderabad, India
Worked on Electronic Quality Tracking Tool. This tool automates the Process of
Quality data collection, Tracking, Analysis and Report generation.

Assistant Product Engineer and   Social Entrepreneurship Lab, Stanford
Cultural Specialist (Intern)   University
27/7/2014 - 29/8/2014   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   Apaar Sadhwani
1/5/2014 - 30/5/2014   California, US
Assisted Apaar Sadhwani, a Stanford Ph.D. student, in testing various heuristics to
optimize the LiST (Lives Saved Tool).

Technical Consultant (Part-time)   Banyan Securities and Financial Services
5/2015 - present   Hyderabad, India
Helped procure appropriate Software and hardware for the use of the Company and
Staff. Created appropriate IT systems and maintained Clients Database.

PROJECTS	**Data Lineage**	
	JPMC UOP/Dept. of Information Technology, CBIT	(2/2016 - 6/2016)

Developed a system to visualize the life cycle of data within an organization.

Identification of Crop Diseases
Dept. of Information Technology, CBIT (20/7/2015 - 20/4/2016)
Identify crop diseases by extracting features from photos of leaves of the diseased crop.

File System simulation using INODE
Mission R&D, Hyderabad (30/5/2015 - 30/6/2015)
Simulated a file system of INODE using pointers and file system in C.

Smart Home Automation using Arduino
Dept. of Information Technology, CBIT (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
Dept. of Information Technology, CBIT (20/1/2015 - 20/4/2015)
Used the Arduino Platform to visualize sorting algorithms using an 6x2 LCD.

Website development
Dept. of Information Technology, CBIT (1/7/2014 - 10/11/2014)
Developed a web application that can handle sessions and database connectivity.

Android Application development
Dept. of Information Technology, CBIT (20/1/2014 - 20/4/2014)
Developed an Android app for the College to provide basic information.

COMPUTER SKILLS

Languages: C, C++, Java, R, MATLAB, Python, SQL, LaTeX.
Web Development: HTML, CSS, JavaScript.
Applications: Eclipse, XCode, Adobe Photoshop

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

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 (2009). Winner, Kodai Golf Open in 2009 ('B' Category). 2nd Runner up, Coorg Junior Open (2009), Ooty Junior Open(2009), Hyderabad Junior Open (2012).
- 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 JPMC.
- 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.

Girls Code Camp
Girls Code Camp is a social venture that aims to leverage the unique potential of young women across India. Mentored 50 girl students as part of GCC Hackday 2015.

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.