Ritvik Iyer

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Education

Year	Degree	Institute	Performance
2017	B.Tech. in Computer Science and Engineering	Vellore Institute of Technology, Vellore	8.9/10
2013	12th Grade	The Army Public School, Pune	86.4/100
2011	10th Grade	John Bowne High School, New York	96.6/100

Professional Experience

Network Consulting Engineer, *Cisco Systems* (July 2017 – April 2020)

- Designing, Implementing and Troubleshooting customer networks
- Extensively worked on Software Defined Networking
- Collaborated in developing an automated assessment tool for interviews
- ITIL Foundation Certificate in IT Service Management

Networking Intern, *Cisco Systems* (January 2017 - June 2017)

- Devised a Port Mapping Automation script for network migrations
- Assisted in building and maintaining the Pune datacenter lab
- Worked on automation scripts for device configurations

Summer Intern, *Hewlett-Packard* (Summer 2015)

- Interned with Database administration team at client site Bank of India
- Trained in RDBMS and Procedural language
- Learnt how to build and manage customer database systems

Journal Publications

Ritvik Iyer and Antara Sharma. "**IoT based Home Automation System with Pattern Recognition**". International Journal of Recent Technology and Engineering, Volume-8, Issue-2, pp. 3925-3929, July 2019.

Projects

IoT Based Home Automation System with Pattern Recognition

- Programming on Arduino microcontroller interfaced with various sensors
- Integration with ESP8266 wi-fi module for remote accessibility
- Pattern analysis based on if-else logic in deterministic environment

Application Centric Infrastructure Diagnostic Tool

- Developed a tool using python to query ACI's Management Information Tree using APIs and find any anomaly in its configuration

Social Media Mining and Analytics with NodeXL

- Research on use of NodeXL for Social Network Analysis
- Identify and evaluate key influencers using various graph metrics
- Clean the collected data, identify clusters and gain actionable insights

Certifications and Recognitions

- Cisco Certified Network Professional– R&S
- Honor student at John Bowne High School
- Certificate of Appreciation (Cisco) – Outstanding performance and contribution in Q3FY19
- Certificate of Excellence (Cisco) – Early in Career Leader

Extra-Curricular

- Founding Member of John Bowne High School Cricket team
- Core member of VIT Animation Club
- Volunteer for Inter NGO Sports meet, Pune
- Organizer for Panorama2K15 workshop, VIT

Skills

Programming/Scripting Languages:(Proficient) Python, C++, SQL; (Familiar) JavaScript, PHP, C, HTML, CSS, Assembly Language, PL/SQL, MATLAB, MongoDB