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 (Honor student)	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

Networking Intern, *Cisco Systems* (January 2017 - June 2017)
- Devised a Port Mapping Automation script for network migrations
- Assisted in building and maintaining the local 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

Fantasy Premier League prediction using ML
- Gather, prepare and process all data using python (pandas, NumPy)
- Build and train different supervised learning models for comparison
- Use Linear Programming to find an optimal team

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

IoT Based Home Automation System with Pattern Recognition
- Programming on Arduino, interfaced with various sensors
- Integration with ESP8266 wi-fi module for remote accessibility
- Pattern analysis based on if-else logic

Certifications and Recognitions

- Cisco Certified Network Professional – R&S
- ITIL Foundation Certificate in IT Service Mgmt.
- 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
- Co-trainer for ACI advanced bootcamp, Cisco

Technical Skills

Proficient: Networking technologies, Python, C++, C#, HTML, CSS, Unity 3D

Familiar: PHP, C, SQL, Assembly Language, MATLAB, Git, Arduino, JavaScript, PL/SQL