VAIBHAV RAMAKRISHNAN

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OBJECTIVE

A highly motivated and skilled professional with 3 years of hands-on experience in TCP/IP networking, cloud technologies, and telecom. Adept in network design, cloud infrastructure, and automation, with a strong foundation in data analytics and a passion for business intelligence, data science, and leveraging cloud solutions. Aspiring to build a career that merges technical expertise with data-driven decision-making to drive innovation and business outcomes. Open to new opportunities that challenge and enhance my skillset, including roles in data analysis, business intelligence, and cloud computing.

SKILLS

IP Networks:	TCP/IP, OSPF, EIGRP, BGP, MPLS, VLAN, LAN, WAN, DHCP, Ethernet
Cloud & Data Center:	OpenStack, SDN, NFV, VMware NSX, Cloud-based infrastructure
Data Science & Analytics:	Python, SQL, Machine Learning, Tableau, Statistical Analysis
VoIP Solutions:	IP Multimedia Subsystem (IMS), NextGen Voice, VoIP, SIP
Network Design:	Network architecture & engineering design, application virtualization & integration
Tools:	Juniper (MX, QFX, SRX), Network Automation, Excel Dashboards, Linux
Soft Skills:	Project Management, Technical Documentation, Client Support, Leadership

EXPERIENCE

Solution Integrator Oct 2019 - Aug 2022
Ericsson *Uttar Pradesh, India*

- **Network Solutions & VoIP:** Spearheaded the deployment of **IP Multimedia Subsystems (IMS)** for **5G networks**, enhancing **VoIP** services for **2M+ subscribers**, and driving a **25% improvement** in network reliability
- **Data-Driven Network Optimization:** Analyzed network performance using **Python** to develop automated dashboards for real-time KPI tracking, reducing manual oversight by **50%** and **boosting accuracy by 30%**.
- **Cloud & Virtualization:** Collaborated on the implementation of **OpenStack** for network functions virtualization **(NFV)**, reducing network service deployment time by **20%** and cutting infrastructure costs by **15%**
- **TCP/IP & Project Management:** Led **100+ site integration and network upgrade** projects, deploying over **500 network components**. Completed projects **15% ahead of schedule**, cutting project delivery time by **20%**
- **Client Interaction & Network Design:** Delivered technical solutions involving **VLAN, LAN, WAN**, and **routing protocols (OSPF, EIGRP)**, improving **customer satisfaction scores by 18%** due to more efficient, tailored network designs
- **Team Leadership:** Mentored and trained a team of **20 engineers**, reducing onboarding time for new team members by **10%** and increasing team productivity by **15%** through process optimization

Intern May 2018 - Jul 2018
Centre for Railway Information Systems (CRIS) *New Delhi, India*

- **Network Data Analysis:** Analyzed network data flows supporting **1M+ users**, identifying bottlenecks and improving network efficiency by 10%.
- **Team Collaboration:** Collaborated with a team of **20 engineers** to implement **routing protocols** (RIP, OSPF, EIGRP) and **spanning tree protocols**, resulting in a **15% decrease in downtime for the network backbone**
- **Technical Learning:** Gained hands-on experience configuring network devices (routers, hubs, bridges) and utilized **Cisco Packet Tracer** for testing network designs, enabling a **12% improvement in throughput** across the project

EDUCATION

Master of Science in Big Data Analytics, Trent University — Sep 2022 - Jan 2024
Teaching Assistant: Data Science with Python, Data Mining, Big Data

Bachelors in Electronics & Communication, Jaypee Institute of Information Technology — Jul 2015 - Jun 2019

PROJECTS

Machine Learning in Breast Cancer Drug Discovery: A Bioinformatics Approach (Publication in Progress). Conducted analysis on a bioactivity dataset **(7,000+ rows and 43 columns)** to predict breast cancer drug efficacy. Performed data pre-processing using Python, executed exploratory data analysis (EDA),and evaluated **40+** machine learning models, deploying a web application that reduced execution time by **50%** (GitHub)

Sales Insights and Performance Dashboard for NVIDIA. Analysed **150,000** sales transactions to create an automated Tableau dashboard, optimizing revenue tracking and regional performance insights. Utilized SQL to predict an **8.5%** boost in quarterly revenue, enhancing market penetration, and streamlining decision-making for **38 key clients** (GitHub)

AWARDS & ACHIEVEMENTS

- Achieved a **4.0 GPA** in Master of Science in Big Data Analytics, Trent University
- Ericsson Certified IP Multimedia Subsytem (IMS) Associate - 2021 - Demonstrated proficiency in **IMS deployment and design**
- Received Impact Award - Ericsson (2021): Recognized for creating significant business impact through the deployment of **IMS for 5G networks**
- Received Ace Award - Ericsson (2020): Outstanding contribution to a customer project, resulting in a **25% improvement in network reliability**.
- Google Data Analytics Professional Certificate - Google spreadsheets, SQL, Tableau, and R
- Essential Causal Inference Techniques for Data Science - Machine Learning, AB Testing, R