

REKHA DANASEKARAN

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TECHNICAL SKILLS

- **Databases:** MySQL | Oracle
- **Programming:** C | C++ | Java | Python
- **Web Technologies:** HTML | CSS | JavaScript
- **Operating Systems:** Windows | Linux | IOS
- **Tools:** Microsoft Office | Wireshark | TCP Dump | OPNET | MRTG
- **Security:** ACL designing | Cryptography | Firewalls
- **WAN Technology:** Frame Relay | ISDN | PPP | ATM
- **Application Protocols:** DNS | TFTP | DHCP | SMTP | Telnet | FTP
- **Network Protocols:** IP | TCP | RIP | EIGRP | OSPF | BGP | MPLS | NAT | SNMP

PROFESSIONAL EXPERIENCE

AMAZON.COM | CHENNAI, INDIA

Jun 2015 – Dec 2015

Catalog Associate

- Interacting and coordinating with vendors to accurately reflect the Amazon catalog for price, product details and other product-related information.
- Escalated tickets based on the severity of the problems.
- Review authoritative sources to validate catalog data when required.
- Validate audit entries based on pre-defined guidelines and explain logical reasoning behind approve/reject decision
- Identify generic patterns in browse and audit to be translated into guidelines and SOPs to improve overall audit outcome.
- Review Amazon catalog for content quality based on pre-defined guidelines and SOPs.
- Product details are being checked thoroughly to ensure accuracy and completeness of the data.

DALHOUSIE UNIVERSITY

May 2017 – Oct 2017

Internetworking Laboratory Assistant

- Provided competent and reliable mentorship for upcoming students within the Internetworking program, building their confidence and encouraging them to become self-reliant.
- Captured and analyzed ARP, ICMP, DHCP, DNS messages between client and server using TCP dump.
- Managed traffic by configuring access list, inspect list and NAT and knowledge in public-key and private-key cryptography.
- Hands-on experience in Network Programming (TCP and UDP) using c programming language.
- Basic knowledge in Telecommunication Protocols like SIP, RTP etc.
- Performance evaluation of network by capturing IP traffic using management tools (MTRG, PRTG) and protocols such as SNMP, SYSLOG messages.

ACADEMIC AWARDS

- INTERNETWORKING GRADUATE STUDENT SEMINAR CONFERENCE TOP POSTER PRESENTATION AWARD, TOPIC: **Cisco Certified Network Security.**
- CERTIFICATE OF EXCELLENCE FOR THE ACADEMIC PROJECT DURING UNDERGRADUATE DEGREE, TOPIC: **Emergency Message Dissemination in VANETs.**

ACADEMIC PROJECTS

- **Cisco Certified Network Associate Security**
 - The proposed project features about CCNA Security course that develop a security infrastructure using cisco network devices.
 - CCNA Security certification provides an engineer all the required knowledge on administering network devices, applying multi-level security infrastructure, recognize network vulnerabilities and prevent from security threats.
 - All the IT firms out there in this world run over the internet. This project encompasses the features that every firm should have in their own network engineers working round the clock to monitor the threats induced on their network and prevent their network from shutdown.
- **Emergency Message Dissemination in VANETs**
 - The proposed project enables a faster and reliable technique for forwarding the broadcast message by shortening the channel access time and reducing the average speed dissemination.
 - Consists of three modules: Node Creation and Region Finding | Finding the best forwarder | Path Finding and Message Broadcasting.
 - Used Java language throughout the process. In the first module, created a certain number of modules and specified the distance for each node by which each node identified the neighbors around it by their GPS positions.
 - In Second module, each node sends a request message to the nodes around them. The best forwarder is found and that node forwards the message to the farthest node.
 - The best path to forward the message is found and the message is forwarded. Messages forwarded are encrypted with Public Key Encryption.
- **Facial expression recognition**
 - Several facial parameters were extracted from a facial image and were used to train several generalized and specialized neural networks.
 - Evaluation was performed in MATLAB using an image database of 25 face images, containing five subjects and each subject having 5 images with different facial expressions.
 - After training for approximately 850 epochs the system achieved a recognition rate of 81.36% for 10 consecutive trials.

CERTIFICATIONS

- AWS Certified SysOps Administrator – In Progress

EDUCATION

- Master of Engineering (Networking), January 2016 – Dec 2017
Dalhousie University, Halifax, Nova Scotia, Canada.
- Bachelor of Engineering (Computer Science and Engineering), August 2011 – May 2015
Anna University, Chennai, India.

REFERENCE

Upon Request