



Aparna Babu

Indian | Female | 25 yrs
Married | Spouse Visa

aparnasandheep1618@gmail.com | +971 581794477

www.linkedin.com/in/aparna-babu-398789233/

PROFESSIONAL SUMMARY

Experienced software engineering analyst with expertise in network administration, troubleshooting, and telecommunications. Successfully led a 4G to 5G network upgrade, improving efficiency and reducing costs. Skilled in implementing advanced technologies and maintaining robust, error-free business operations for seamless data transmission.

EXPERIENCE

Accenture: Software Engineering Analyst

Dec 2021 - Jul 2024

- Optimized workflow efficiency through system design, installation, and maintenance, enhancing communication network performance by 30% for Optus
- Facilitated seamless data, voice, and multimedia transmission across SMSC, MSC, VOLTE, MMSC, and LTE switches, ensuring robust business operations
- Led the 4G to 5G network upgrade, executing testing across 5+ environments and completing the project 20% under budget
- Performed rigorous sanity checks on UNIX platforms, ensuring error-free data flow and safeguarding revenue streams with 100% system accuracy
- Spearheaded cross-functional collaboration to resolve critical network issues, achieving reduction in downtime for clients
- Enhanced network reliability and performance by ensuring smooth integration of advanced technologies and maintaining data integrity

EDUCATION

Sri Sai Ram Institute of Technology

B.Tech in IT, 79%

SKILLS

- | | |
|--------------------------|-------------------------|
| • Network Security | • Computer Networks |
| • Troubleshooting | • Server Infrastructure |
| • Security Measures | • Cloud Fundamentals |
| • Cisco Switches | • SQL |
| • Network Administration | • Shell Scripting |
| • Telecommunications | |

PROJECTS

Glaucoma Diagnosis on Clear Fundus Images using Transfer Learning (VGG-19) and SVM

- Developed a glaucoma detection system using transfer learning with VGG-19 and a Support Vector Machine (SVM) classifier to analyze retinal fundus images
- Processed and standardized 2313 fundus images from datasets (DRISHTI-GS, RIM-ONE) to train and evaluate machine learning models
- Achieved high diagnostic performance, including accuracy, sensitivity, and specificity metrics, through XGBoost and VGG-19 model comparisons
- Conducted Receiver Operating Characteristic (ROC) analysis to assess and optimize model performance for large-scale glaucoma screening program

CERTIFICATIONS

- Cybersecurity tools & Cyber Attacks - Coursera
- Power BI PL300 - Microsoft
- Introduction to Project Management - Coursera