Chandan Pokhrel

Career Objective

I am looking forward to further my career in IT and engineering sector of an organization where I can use my previous knowledge and experience to deliver quality service and learn to build long term career in it.

Major Skills

- **Electronics Engineering** - Electronics circuit, semiconductors, electromagnetics, digital communication systems, PCB design, embedded systems
- **Information Technology** - HTML, CSS and JavaScript, Python, MySQL, PostgreSQL, C programming and data structure, C++, TCP/IP, UDP, BGP
- **Management** - Project time, risk, cost management, project management using PMBOK model, team-work, leadership
- **Telecommunication** - Wideband Networks, National broadband Network(NBN), splicing, fiber-path, debugging and testing using OTDR, installing COFTU, commissioning
- **Interpersonal and transferable skills**- Honest, friendly, active listening, critical thinking, problem solving, customer focussed service, leadership

Projects

- **Wideband optical fiber network projects (At Koinonia Enterprises from May 2014 to December 2017)**
  - Telstra projects that include installing optical fiber from its exchange to the customer's building, terminating using COFTU (customer optical fiber termination unit) and commissioning
- **Virtual circuit and packet switching protocol using python: Computer Networks Project (September 2017)**
  - This project uses topology.txt where the topology of routers is given and workload.txt which tells what routers need to communicate, to simulate the performance of circuit and packet switching in the network. It uses Dijkstra's algorithm to find the most feasible path.
- **Environmental Data Acquisition and Logging System (EDALS): Final year engineering project (Oct 2010)**
  - This project acquires data (wind velocity, humidity, temperature and rainfall) from different remote locations using remote sensors and logs these data to the central server using GSM (Global System for Mobile). It also incorporates database (MsSQL) and user application for user interface

Experiences

1. **Working as a part-time Hospital Assistant (grade 2) at Royal North Shore Hospital**
   My major achievements include:
   - Experience of work in a healthcare environment and understood its sensitivity in public life
   - Experience and understanding of importance of communication and coordination among a multidisciplinary team in a public hospital
   - Working in a team to solve the emergency situations and problems
   - Understanding and implementing infection control standards
   - Developed quality customer service and interpersonal skills

2. **Worked as a Telecom Technician/Team Leader at Koinonia Enterprises Pty Ltd from May 2014-December 2017:**
   My major achievements during this tenure are:
   - Understanding of wideband networks, point to point networks and hybrid fiber coaxial networks
   - Developed very good communication skill that is required to solve the range of problems in the network at daily basis
   - Developed sound customer service, interpersonal and leadership skill
   - Prepared risk matrix, project report and quantity report for each project to ameliorate my report writing and risk management skills

   My major duties were:
   - Delivery and implementation of optical fiber networks
   - Communicating with designer for design change when needed
   - Communicating with fiber change technicians if any fiber change required and updating information to supervisor
   - Arranging access to customer's MDF and/or COMMS room
   - Signal testing using OTDR (Optical Time-Domain Reflectometer) and commissioning
   - Risk identification, assessment and management using JSEA (Job Safety and Environmental Analysis), SWMS (Safe Work Method Statement) and risk matrix
   - Preparing and submitting project completion and quantity report

3. **Worked as an IT and Network Assistant at SBI bank, Kathmandu, Nepal from July 2011 – June 2012**
   My major achievements during this tenure are:
   - IP tracing and troubleshooting
   - Problem solving and critical thinking
   - Database maintenance and analysis using MySQL queries
   - Desktop support
   - Customer service
   - Teamwork

   My major duties as IT and Network Assistant were:
   - Install and configure computer hardware and applications
   - Responsible for monitoring and maintaining computer networks and systems
   - Talk to the staffs and clients on phone and face to face to resolve their problems with computer and networks
   - Prioritize and manage many open cases at one time
   - Data entry, database search and maintenance (My SQL) and writing case reports

Availability

- Full-time, part-time or casual

Qualification

- Masters of IT from UNSW, Sydney, Australia
  - Learned python programming, database management system in PostgreSQL, data structures and algorithms in C through assignments, labs and lectures
  - Project risk identification and management using risk matrix, cost management, time management and leadership
  - Learned socket programming in python and advanced computer network modelling using riverbed modeller through projects and assignments
- Bachelors of Electronics and Communication Engineering from Tribhuwan University, Nepal **(Registered with Engineers Australia)**
  - Learned C, C++, computer architecture and design, analogue and digital communication system, embedded system designs using PCB, diodes, transistors, ADC, microcontroller, LCD
  - During third semester, I participated in LOCUS (annual technological exhibition organised in Pulchowk Campus) with Jardians (game) programmed in C++ using allegro graphics library
  - Learned about teamwork and management while working as an organizer of LOCUS 2009 during my third year of engineering
  - Successfully completed one month of educational internship on microwave, optical fiber and satellite communication system from Nepal Telecom Kathmandu, Nepal
  - I worked as a president of Rupandehi Engineering Students' Society (RESS) for one year

Hobbies and Interests

- Playing chess, badminton, table tennis, football
- Listening to classical and pop music
- Watching social, animation, mystery and adventurous movies
- Updating with tech and social news feeds
- Adventure sports (rafting, paragliding, bungee jumping, paintball), swimming, trekking and camping with friends

References

- Available upon requests