SELINA SHRESTHA

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OBJECTIVE

A dedicated and passionate fourth year student of Electronics and Communication Engineering at Institute of Engineering, Pulchowk Campus. Developing solutions to problems with the aid of programming and efficient computations has always fascinated me. Hence, I am looking towards channeling my passion and expertise in the field of data science and software development to develop solutions to real world problems and tasks.

PROFILE

- Completed Internship of two weeks at Nepal Telecom
- Well developed project management and IT skills
- Strong organizational skills to cope up in variety of situations to achieve deadlines
- Strong willingness to learn and quick adaptability to new skills
- Driven to tackle various problems independently or in a team

EDUCATION

· Currently at 8th Semester of Bachelors of Engineering in Electronics and Communication
  Pulchowk Campus, Institute of Engineering, Tribhuwan University, Nepal
  Aggregate Score: 85.62 %

· A- level [2011-2013]:
   Budhanilkantha School, Kathmandu, Nepal
  Aggregate Score: 84%

· School Leaving Certificate [2011]:
  Budhanilkantha School, Kathmandu, Nepal
  Score: 89.5

WORK EXPERIENCE

Nepal Telecom   **16 January 2017 — 1 February 2018**
Internship
Completed two weeks long internship on Backbone Network Operation Center (NOC) at Nepal Telecom.

Internship included learning platform on:
- General setup and operation of OTNM2000 for fiber home employed by Nepal Telecom
- Optical Fiber Communication System put in service by Nepal Telecom
- Microwave Communication system used by Nepal Telecom

- Cloud Computing and future prospects to be employed by Nepal Telecom
- Routers and Switches used in Nepal Telecom
- Base Transceiver Station

RELEVANT SKILLS

· Python, MATLAB, Jupyter Notebook, C, C++, Ki CAD

PROJECTS

· **Child Health Tracker (Minor Project) [2017]**

The project consists of a prototype of a wearable health tracker for children that continuously tracks the temperature and heart rate of the child and allows the values to be stored in the parent's android device via Bluetooth. Any anomalies in the measurements are immediately put under spotlight by notifying the parent's device. During the project, I worked with the sensors' specifications, error minimization and towards building an android application that would show the temperature and heart rate values received and send a notification whenever the values were abnormal.

· **Instrumentation 2 project on Android Controlled Car [2017]**
· **C++ Project on Banking System [2016]**
· **C Project on The Classic Snake Game [2015]**

AWARDS AND HONOURS

· **Ncell Scholarship and Excellence Award for Year-wise Programme Topper-2073 (Electronics and Communication) –** Ncell, Nepal [2018]
· **Selected as a scholar for Grace Hopper Celebration (GHC) of Women in Computing 2017 by the Anita Borg Institute and awarded with a full scholarship to attend the conference at Florida, United States from Oct 3 to Oct 5, 2017**
· **Certified by Japan International Cooperation Center for completion of "JENESYS 2016 SAARC 1st batch" from Jan 16 to Jan 24, 2017**
· **Honoured with Best Presentation (NEPAL) among all SAARC countries in JENESYS 2016 by the Pakistani Ambassador at Japan**
· **Selected by Nepal Government for "Training in Telecommunication" in Japan as a part of "JENESYS 2016" First batch**
· **Ncell Scholarship and Excellence Award for Year-wise Programme Topper-2072 (Electronics and Communication) –** Ncell, Nepal [2017]
· **Ncell Scholarship and Excellence Award for Year-wise Programme Topper-2071 (Electronics and Communication) –** Ncell, Nepal [2016]
· **Merit Award for Female Students -** ASNEngr (American Society of Nepalese Engineers), United States [2014]

ACTIVITIES AND EXPERIENCE

· **Intern** at **Nepal Telecom**, Nepal [2018]
· Participation in the **Grace Hopper Celebration (GHC) of Women in Computing 2017**, United States, as a GHC scholar [2017]
· Participation in **JENESYS (Japan-East Asia Network of Exchange for Students and Youths) 2016 SAARC Countries 1st Batch: Telecommunications**, Japan [2017]
· Member of the editorial team of the annual college magazine '**Zerone**' [2016, 2017]
· Organizer at **IOE Robocon 2016, Journey to Mustang** [2016]
· Volunteer at **LOCUS** [2015, 2016, 2017]
· Voluntary tutor at Balmandir Orphanage, Naxal for students of grade 7, 8 and 9 [2013]
· Member of the **Council of School Prefects**, Budhanilkantha School [2012-2013]
· Treasurer at the **Mathematics Club**, Budhanilkantha School [2012-2013]

INTERESTS AND HOBBIES

· Programming, sketching, painting, reading, swimming

REFERENCES

· Dr. Diwakar Raj Pant
   HOD, Department of Electronics and Computer Engineering, IOE Pulchowk Campus, Pulchowk, Lalitpur

· Dr. Nanda Bikram Adhikari
   DHOD, Department of Electronics and Computer Engineering, IOE Pulchowk Campus, Pulchowk, Lalitpur

· Asst Prof. Arun Kumar Timilsina
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