Nabin Giri

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SUMMARY

Recent master's graduate with 4+ years of experience as software engineer and system engineer. Strong skills in C, C++, and Python. Looking for software engineering roles.

EDUCATION

University of Central Missouri   **Warrensburg, MO**
Master of Science in Computer Science; GPA:3.58/4.0   *May 2018 – May 2020*
Thesis title: Recommendation System Using Factorization Model and MapReduce Framework
Grant/Honor – Graduate Research Award 2020 for Thesis and **Strata Data Scholarship 2019**
Activities: *International Students Ambassador, Graduate Research Workshop, and Graduate Student Worker*
MS Thesis: Built a toolkit that can process different collaborative filtering algorithm simultaneously, trained models using stochastic gradient descent, regularized the parameters, and deployed in AWS EMR. (*C++, Python, Hadoop MapReduce, AWS EMR, machine learning, dimensionality reduction, feature engineering*)

Bangalore University   **Bangalore, India**
Bachelors of Computer Application; First Division   *May 2011 – May 2014*
Projects: Supermarket Management System and Online Admission System (*PHP, MYSQL*)

TECHNICAL SKILLS

- **Languages**: C, C++, Python, R, SQL, PowerShell
- **IDE**: Visual Studio, PyCharm, Spyder, Jupyter Notebook, Google Colab, R Studio, MySQL
- **Tools and Technologies**: AWS (EC2, EMR, S3), GCP, Git, Object-oriented design, ESXi, Hadoop MapReduce, Docker, Machine Learning, Multithreading, VMWare virtualization, Linux, Windows Server

EXPERIENCE

Intone Networks Inc   **Iselin, New Jersey**
Data Science Intern   *June 2020 – August 2020*
- Analysis and predict using linear and logistic regression with assumption diagnostic test, hypothesis testing, ROC Curve, Gini Index, confusion matrix, boxplot in *R* and *Python(pandas)*
- Develop ARIMA model for time series analysis to predict the trend and cluster analysis in *R* and *Python*

Uppsala University   **Uppsala, Sweden**
Machine Learning Research Assistant   *May 2019 – December 2019*
- Research and assist in developing machine learning algorithm and image filtering for VASCO project
- Developed program which can convert FITS image to 2D and used smoothing filters in *Python(astropy)*

Max International   **Kathmandu, Nepal**
System Engineer   *Feb 2017 – April 2018*
- Design, configure, and manage virtualized VMWare server architecture and troubleshoot issues related to Windows and Linux servers, backup and replication, databases, and storage (iSCSI/SCSI, NFS, and FC)
- Design and configure failover clustering using vSphere high availability for multiple ESXi hosts
- Design and configure Active Directory Domain Service in Windows server and LDAP in Linux server
- Reconfigure and reimage Dell SCv2020 storage operating system with support from DELL EMC team

Capgemini   **Bangalore, India**
Software Engineer   *Oct 2014 – Oct 2016*
- Wrote C modules to add new functionality in the existing programs to enhance the software product
- Debug C++ program to identify and remove bugs, help senior designers to combine functions into one
- Wrote technical documentation for juniors on compiler, linker, assembly, mmap, malloc and pointers
- Wrote functions using memory: malloc, realloc, free and virtual paging mmap, mremap and munmap

TRAINING

- DELL EMC Unity Storage and Hyper-Converged System Training   **DELL Cyberjaya, Malaysia**