Nabin Giri

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EDUCATION

University of Central Missouri **Warrensburg, MO**
Master of Science in Computer Science; Major GPA:3.75/4.0 *May 2018 – May 2020*
Thesis title: Recommendation System Using Factorization Model and MapReduce Framework
(Thesis Award - **Graduate Research Award 2020**)
Major Coursework: Artificial Intelligence, Big Data Analytics, Machine Learning, Data Mining, Advanced Algorithms, Advanced Database Systems, Advanced Algorithms, Cloud Computing
Activities: International Students Ambassador, Graduate Research Workshop, & Graduate Student Worker

Bangalore University **Bangalore, India**
Bachelors of Computer Application; First Division *May 2011 – May 2014*
Projects: Supermarket Management System and Online Admission System (PHP, MYSQL)
Major Coursework: Java Programming, Web Programming, OOPS Using C++, Systems Programming, Unix Programming, Data Structures Using C, Design and Analysis of Algorithm, Computer Architecture

TECHNICAL SKILLS

- Languages: Python, R, SQL, C++, Bash, LaTeX
- Web Technologies: HTML, CSS, PHP
- Tools and Technologies: AWS (EC2, EMR, S3, Lambda), Git, My SQL, Apache Hadoop MapReduce
- Systems: VMWare ESXi, Exchange Server, Active Directory, DNS, Windows Server, Failover Clustering

EXPERIENCE

Max International **Kathmandu, Nepal**
System Engineer, Head of the Department *Feb 2017 – April 2018*
- Design, install, configure, and manage virtualized infrastructure and troubleshoot issues related to Windows and Linux servers, backup and replication, databases, and storage servers
- Developed analytical reports of complex datacenters and generated insights & prediction
- Reconfigure and reimage Dell SCv2020 storage operating system with support from Dell team

Capgemini **Bangalore, India**
Software Engineer *Oct 2014 – Oct 2016*
- Developed scripts and formulas for BMC remedy tool, MS Excel, and Windows Server to automate tasks
- Resolved issues following ITIL procedure and provided root cause analysis report to critical issues
- Created work instructions, technical reports, helped system designers to consolidate program functions into unified whole program

PROJECTS

- **MS Thesis**: Build a toolkit that can process different algorithm simultaneously, trained models using stochastic gradient descent, tuned in hyperparameters, and deployed in AWS EMR. *(dimensionality reduction, Python, mrjob, numpy, json, pickle, neighborhood models, AWS EMR, AWS S3, LaTex)*
- **Image Classification**: Built a neural network using CNN, trained the model and tested. Used GPU enabled Google Colab lab. Achieved 93% accuracy (*Python, keras, tensorflow, matplotlib)*
- **Dress Recognition**: Built neural network that classifies images of dress and trains the model. Generates test accuracy and plots the images- predicted and true label. *(Python, tensorflow, keras)*
- **VASCO**: This project is part of research VASCO for building machine learning algorithm. Created program which can convert FITS image to 2D and smoothing filters *(Python, numpy, astropy)*