

ABHISHEK PAUDEL

Pursuing PhD in Computer Science with research interests in machine learning



Education

Aug 2019	●	PhD in Computer Science	
May 2024		George Mason University	📍 Fairfax, Virginia, USA
Nov 2013	●	Bachelor's Degree in Computer Engineering	
Sept 2017		Tribhuvan University, Institute of Engineering, Pulchowk Campus	📍 Lalitpur, Nepal



Experience

Aug 2019	●	George Mason University	
present		Graduate Teaching Assistant	📍 Fairfax, Virginia, USA
		Affiliated with Computer Science Department in Volgenau School of Engineering.	
Jul 2019	●	United Nations Children's Fund (UNICEF) Nepal Country Office	
Aug 2019		Technical Consultant	📍 Kathmandu, Nepal
		Drafted technological and programmatic strategy for youth engagement in policy process using mobile phone technologies.	
Jan 2019	●	MPercept Academy	
Jun 2019		Course Instructor	📍 Lalitpur, Nepal
		Taught introductory course on artificial intelligence and machine learning along with designing and evaluating assignments and projects.	
Feb 2018	●	Nepal Participatory Action Network	
Oct 2018		Technical Consultant	📍 Kathmandu, Nepal
		Lead the development and piloting of the first of its kind SMS based information dissemination and monitoring system for Government of Nepal to enhance its existing system used for social security allowance program.	
Jan 2017	●	Equal Access Nepal	
Nov 2017		Technical Consultant	📍 Lalitpur, Nepal
		Provided technical support to UNICEF Nepal in development and deployment U-report platform which is an SMS-based system that allows young people to speak out on what is happening in communities across their country using their mobile phones.	
Jan 2015	●	United Nations Children's Fund (UNICEF) Nepal Country Office	
Nov 2015		Technical Consultant	📍 Kathmandu, Nepal
		Developed and deployed various SMS-based applications along with real-time/off-line analytics for tasks like communication with teachers in remote districts, location tracking of UNICEF field staffs for security purposes, and information dissemination and monitoring of UNICEF supported cash transfer program.	



Publications

- **A. Paudel, B. R. Bajracharya, M. Ghimire, N. Bhattarai and D. S. Baral, "Using Personality Traits Information from Social Media for Music Recommendation," 2018 IEEE 3rd International Conference on Computing, Communication and Security (ICCCS), 2018, pp. 116-121. DOI: 10.1109/CCCS.2018.8586831**



Projects

2018	●	2048 AI	
		An AI that solves 2048 puzzle game using minimax and alpha-beta pruning	
2017	●	Musick	
		A recommendation system that recommends music based on personality of a person determined from social media	
2017	●	SlideCast	
		A tool that allows live broadcasting of presentations to computers and smart phones in a network	
2016	●	Chatbot	
		Minor project on Python that generates responses to questions based on Markov model and pattern matching	



Additional Experience

2018	●	AI Fellow, Fusemachines	📍 Kathmandu, Nepal
2018	●	Facilitator, AI for Social Good Workshop, Kathmandu Mini Maker Faire	📍 Kathmandu, Nepal
2017	●	Software Coordinator, LOCUS National Technological Festival	📍 Lalitpur, Nepal
2017	●	Event Coordinator, Hult Prize @ Tribhuvan University	📍 Lalitpur, Nepal
2016	●	Participant, Asia-Pacific HLM3 Youth Innovation Challenge Workshop	📍 Kuala Lumpur, Malaysia
2015	●	Speaker, Global Innovations for Children and Youth Summit	📍 Helsinki, Finland
2015	●	Volunteer, Me to We Youth Volunteer Trip	📍 Maasai Mara, Kenya

Contact

✉ abpauudel.com
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in linkedin.com/in/abpauudel
✉ abpauudel@outlook.com

Skills

Languages
Nepali, English, Hindi

Programming Languages
Proficient in Python, C++, C
Familiar with JavaScript, PHP, MATLAB, Assembly

Libraries & Frameworks
TensorFlow, Keras, scikit-learn, NumPy, pandas, matplotlib

Web & Databases
HTML, CSS, Django, Nginx, MySQL, MongoDB

Tools & Utilities
Git, LaTeX, Robot Operating System, Microsoft Azure

Certifications

Deep Learning Specialization (deeplearning.ai, Coursera)

- *Neural Networks and Deep Learning*
- *Improving Deep Neural Networks*
- *Structuring Machine Learning Projects*
- *Convolutional Neural Networks*
- *Sequence Models*

Columbia University AI Courses, edX

- *CSMM.101x: Artificial Intelligence (AI)*
- *CSMM.102x: Machine Learning*
- *CSMM.103x: Robotics*

Awards & Achievements

Fusemachines Artificial Intelligence Fellowship
First Nepal AI Winter School Scholarship
Coursera Deep Learning Financial Aid Winner, LOCUS Hack-A-Week
Microsoft YouthSpark Challenge for Change Award
Microsoft Student Partner
2nd Runner Up, ChildApp Appathon
Winner, SongsNepal Acoustic Festival