Ashim Dahal.

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Employment History

2023 – · · · ·	🔖	**Research Assistant,** University of Southern Mississippi, MS, USA.
2022 – 2023	🔖	**Machine Learning Consultant.** Data Research Council for Students, KTM, Nepal.
2022 – 2022	🔖	**Research and Development Intern.** Robotics Association of Nepal, Lalitpur, Nepal.

Education

2023 – ·· 🔖 **B.Sc. in Computer and Information Science, University of Southern Mississippi**
Involvements : *Research, Google Developers Student Club, The Nations Student Association, Nepalese Student Association.*

Research Publications

Conference Proceedings

1 **A. Dahal**, P. Bajgai, and N. Rahimi, "Analysis of zero day attack detection using mlp and xai," in *Proceedings of International Conference on Security and Management (Springer Nature)*, Las Vegas, USA, 2024.

2 **A. Dahal**, "Would you own a robot?" In *Proceedings of the Ninth National Conference on Science and Technology by NAST*, Lalitpur, Nepal, 2022. 🔗 URL: https://dx.doi.org/10.21203/rs.3.rs-1622143/v4.

Preprint Papers

1 **A. Dahal** and S. Kattel, "Predicting handwritten devanagari characters using modified-lenet model architecture," Available on Research Square, oct 2022. 🔗 URL: https://dx.doi.org/10.21203/rs.3.rs-2137648/v1.

2 **A. Dahal**, "Do you "go big or go home" with neural networks?" Available on Research Square, 2022. 🔗 URL: https://dx.doi.org/10.21203/rs.3.rs-1716492/v2.

3 **A. Dahal**, A. Khadka, B. Kharal, and A. Shah, "Effectiveness of native language for conversational bots," Available on Research Square, 2022. 🔗 URL: https://dx.doi.org/10.21203/rs.3.rs-2183870/v2.

Skills

Languages	🔖	Python, C++, CSharp, SQL.
Databases	🔖	MySQL, PostgreSQL, SQLite.
Machine Learning	🔖	PyTorch, open CV, Hugging Face, FastAPI, MatplotLib, Scikit-Learn, Pandas
Tools	🔖	Git, Linux, NVIM, High Performing Clusters (HPC)

Miscellaneous Experience

Certification

2021	🔖	**Generative Adversarial Networks Specialization.** Awarded by Coursera.
	🔖	**Deep Learning and Reinforcement Learning**. Awarded by Coursera.

Miscellaneous Experience (continued)

2020

- **Sequence Models**. Awarded by Coursera.
- **Machine Learning**. Awarded by Coursera.
- **Neural Networks and Deep Learning**. Awarded by Coursera.

References

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