

PROFILE

My name is Avash Palikhe, and I am a first-year Ph.D. student in Computer Science at Florida International University in Miami. My research interests lie in Trustworthy AI, Explainable AI, and Machine Learning.

EDUCATION

- **Florida International University** Miami, USA
Ph.D. in Computer Science *August 2025 - Present*
- **Tribhuvan University** Kathmandu, Nepal
Bachelor's in Computer Engineering *July 2018 - April 2023*
Courses: Electrical Engineering, Software Engineering, Theory of Computation, Artificial Intelligence, Mathematics, Data Structure & Algorithm, Probability & Statistics, Microprocessors, Thermodynamics, Electromagnetics

PUBLICATIONS

- Chinta, Sribala Vidyadhari, Zichong Wang, Avash Palikhe, Xingyu Zhang, Ayesha Kashif, Monique Antoinette Smith, Jun Liu, and Wenbin Zhang. "AI-driven healthcare: Fairness in AI healthcare: A survey." PLOS digital health 4, no. 5 (2025).
- Yazdani, Shamim, Akansha Singh, Nripsuta Saxena, Zichong Wang, Avash Palikhe, Deng Pan, Umapada Pal, Jie Yang, and Wenbin Zhang. "Generative AI in depth: A survey of recent advances, model variants, and real-world applications." Journal of Big Data 12, no. 1 (2025): 1-43.
- Yin, Zhipeng, Zichong Wang, Avash Palikhe, and Wenbin Zhang. "Uncertain boundaries: A tutorial on copyright challenges and cross-disciplinary solutions for generative AI." In Proceedings of the 34th ACM International Conference on Information and Knowledge Management, pp. 6853-6856. 2025.
- Wang, Zichong, Avash Palikhe, Zhipeng Yin, and Wenbin Zhang. "Fairness in language models: A tutorial." In Proceedings of the 34th ACM International Conference on Information and Knowledge Management, pp. 6849-6852. 2025.
- Yin, Zhipeng, Zichong Wang, Avash Palikhe, Zhen Liu, Jun Liu, and Wenbin Zhang. "Amcr: A framework for assessing and mitigating copyright risks in generative models." In Proceedings of the 28th European Conference on Artificial Intelligence (2025).
- Palikhe, Avash, Zichong Wang, Zhipeng Yin, Rui Guo, Qiang Duan, Jie Yang, and Wenbin Zhang. "Towards transparent AI: A survey on explainable language models." arXiv preprint arXiv:2509.21631 (2025).
- Palikhe, Avash, Zichong Wang, Zhipeng Yin, Shu Hu, Xuejiao Zhao, Jun Liu, Yu Cai, and Wenbin Zhang. "Domain Knowledge Empowered Language Models: A Survey." TechRxiv. November 25, 2025.
- Palikhe, Avash, Zichong Wang, Zhipeng Yin, and Wenbin Zhang. "Fairness Definitions in Language Models Explained." arXiv preprint arXiv:2407.18454 (2025).
- Zhang, Jiale, Zichong Wang, Avash Palikhe, Zhipeng Yin, and Wenbin Zhang. "Datasets for Fairness in Language Models: An In-Depth Survey." arXiv preprint arXiv:2506.23411 (2025).

TUTORIALS

- Zichong Wang, Avash Palikhe, Zhipeng Yin, Jiale Zhang and Wenbin Zhang. “Fairness in Large Language Models: A Tutorial.” The 34th International Joint Conference on Artificial Intelligence (IJCAI), 2025.
- Zichong Wang, Avash Palikhe, Zhipeng Yin and Wenbin Zhang. “Fairness in Language Models: A Tutorial.” The 34th ACM International Conference on Information and Knowledge Management (CIKM), 2025.
- Zichong Wang, Avash Palikhe, Zhipeng Yin and Wenbin Zhang. “Fairness in Language Models: A Tutorial.” The IEEE International Conference on Data Mining (ICDM), 2025.

EXPERIENCE

- **Florida International University** Miami, USA
Graduate Research Assistant *August 2025 - December 2025*
Research Area: Trustworthy AI, Explainable AI, Algorithmic Fairness
Research Advisor: Dr. Wenbin Zhang
- **Nepal Clearing House Limited** Kathmandu, Nepal
Android Engineer *October 2023 - March 2025*
Areas of Work: Payment Systems, Android Development, Flutter, Java, Kotlin, Dart
 - **ConnectIPS:** Interbank payment application built using native Android, enabling multiple bank account integration for payment processing and fund transfers. (1M+ downloads on Google Play Store)
 - **NepalPay Business:** Cross-platform Flutter application for merchants to accept payments across various channels, manage transactions, and track sales. (50K+ downloads on Google Play Store)
- **Ayata Incorporation** Kathmandu, Nepal
Intern Android Developer *January 2023 - March 2023*
Areas of Work: Native Android Development, Kotlin, Java
- **Leapfrog Technology** Kathmandu, Nepal
Student Partner *December 2021 - August 2022*
Areas of Work: Project Management, UI/UX Design, Software Engineering

VOLUTARY EXPERIENCE

- **Rotaract club of Kathmandu West, Rotary International** Kathmandu, Nepal
Vice-President *June 2024 - July 2025*
- **Rotaract club of Kathmandu West, Rotary International** Kathmandu, Nepal
Secretary *June 2023 - July 2024*