

## PROFILE

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Avash Palikhe is currently a Ph.D. student at the Knight Foundation School of Computing & Information Sciences (KFSCIS) at Florida International University, where he conducts research under the supervision of Dr. Fahad Saeed. He is a Graduate Research Assistant at the Precision Computational Health and Biomedical Data Science Lab (PCDS Lab), also known as the Saeed Lab. His research focuses on Algorithmic Fairness, Health AI, and Trustworthy AI.

## EDUCATION

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- **Florida International University** Miami, USA  
*Ph.D. in Computer Science* *August 2025 - Present*  
*Doctoral Advisor: Dr. Fahad Saeed*
- **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

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- 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

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- 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.

## REVIEWER

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- Journal Reviewer: International Journal of Human-Computer Interaction.

## EXPERIENCE

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- **Florida International University** Miami, USA  
*Graduate Research Assistant* *August 2025 - present*  
*Research Area: Algorithmic Fairness, Health AI, & Trustworthy AI*
  - **Florida International University** Miami, USA  
*Graduate Teaching Assistant* *January 2026 - Present*  
*Courses: COP 4813 Web Application Programming*
  - **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*
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- ## VOLUTARY EXPERIENCE
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- **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*