

## Avash Palikhe

Miami, Florida

[Email](#)

[Personal website](#)

I'm a Ph.D. student at Florida International University (FIU), USA. My current research centers on algorithmic fairness, explainable AI, and ethical AI. Specifically, his work aims to better understand and mitigate biases in AI systems and contribute to the development of transparent and ethically aligned models.

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### Publications

#### **AI-Driven Healthcare: A Review on Ensuring Fairness and Mitigating Bias**

Sribala Vidyadhari Chinta, Zichong Wang, Avash Palikhe, Xingyu Zhang, Ayesha Kashif, Monique Antoinette Smith, Jun Liu, Wenbin Zhang

*PLOS digital health*, 2025

[view paper](#)

#### **Datasets for Fairness in Language Models: An In-Depth Survey**

Jiale Zhang, Zichong Wang, Avash Palikhe, Zhipeng Yin, Wenbin Zhang

*arXiv preprint arXiv:2506.23411*, 2025

[view paper](#)

#### **Uncertain Boundaries: Multidisciplinary Approaches to Copyright Issues in Generative AI**

Archer Amon, Zhipeng Yin, Zichong Wang, Avash Palikhe, Wenbin Zhang

*arXiv preprint arXiv:2404.08221*, 2025

[view paper](#)

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### Education

**Knight Foundation School of Computing and  
Information Sciences, Florida International University**

Miami, Florida

Ph.D. in Computer Science (2025 - present)

Research area: Algorithmic fairness, explainable AI, and ethical AI

**Kathmandu Engineering College,  
Tribhuvan University**

Kathmandu, Nepal

Bachelor's in Computer Engineering (2018 - 2022)

Discipline studied: Software Engineering, Electrical Engineering, Artificial Intelligence, Microprocessors, Distributed Systems, Computer Networks, Thermodynamics, Electromagnetics, Embedded Systems.

Projects:

- Developed a machine learning project titled "Sales Analysis and Prediction" utilizing models such as Random Forest, XGBoost, and Lasso Regression.
- Created an android application with features including appointment booking, health news feeds, and hospital location tracking.

**Budhanilkantha School**

Kathmandu, Nepal

High School, Science Major (2016 - 2017)

Discipline studied: Computer science, Physics, Chemistry, Calculus, Geometry, Algebra, English.

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**Professional Experiences**

**Nepal Clearing House Limited (NCHL)**

Kathmandu, Nepal

**Android Engineer (11/2023 - 3/2025)**

- Developed interbank payment solutions, enabling bank account integration for payment processing and fund transfers.
- Worked on mobile applications using native Android architectures and Flutter framework.
- Developed a secure bank account enrollment prototype using Google's Gemini AI and Machine learning kit for user photo validation.
- Implementation of NFC and EMV-compliant QR codes, enabling secure and contactless transactions.

**Ayata Incorporation**

Kathmandu, Nepal

**Intern Software Developer (11/2022 - 03/2023)**

- Developed applications using Android architecture and components.
- Worked with Kotlin, XML UI designs, Room, Retrofit, Shared Preferences, Rest Apis.
- Implemented coroutines, dependency injections and local databases.