

Avash Palikhe

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Education



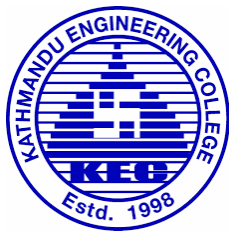
Knight Foundation School of Computing and

Information Sciences, Florida International University

Miami, Florida

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

Research area: My current research focuses on detecting and analyzing potential biases in machine learning algorithms, with an emphasis on mitigation strategies to address fairness concerns.



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.

Professional Experiences



Nepal Clearing House Limited (NCHL)
Android Engineer (11/2023 - 3/2025)

Kathmandu, Nepal

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

Kathmandu, Nepal

- 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.



Leapfrog Technology
Student Partner (12/2021 - 08/2022)

Kathmandu, Nepal

- Developed a project using React JS and Django.
 - Trained in UI/UX designs, project management, Web technologies and Software Engineering.
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