

# Manish Poudel

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## PROFILE

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Software engineer experienced in developing and managing multiple apps, beginning to focus on AI/ML after completing relevant courses and eager to apply AI skills to real-world projects.

## TECHNICAL SKILLS

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**AI/ML:** TensorFlow, Scikit-learn, Pandas, NumPy, LangChain, HuggingFace, Generative AI, AlgoTrading

**Languages/Frameworks:** Python, Dart, Kotlin, Javascript, Java, Flutter, Jetpack Compose, Next.js

**DB/Cloud/Tools:** GCP, SQLite, PostgreSQL, Room, Firebase, FCM

**DevOps/Tools:** Github, Jira, Notion, Codemagic, Microsoft Team, Slack, Bugsnag

**Strength:** Quick learner, punctual and a good team player

## EDUCATION

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Islington College- Bachelor in Computing

**Certifications:** [Neural Network and Deep Learning](#), [Machine Learning](#), [Introduction to Calculus](#)

## PROFESSIONAL EXPERIENCE

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**Software Engineer – Freelance / Remote (Contract)** Mar 2024 – Present

- Building **algorithmic trading systems** to automate trading strategies (live/paper account) using Python with brokers (Alpaca, IBKR).
- Developed **custom backtesting environment** simulating a mini-broker system, including technical indicator calculations, buy/sell execution, and trade logging for strategy testing.
- Integrated **Alpha Vantage API** and implemented **custom indicators**, reducing API costs by ~40%.
- Applied **FinBERT sentiment analysis** and **LLM tools** to extract structured data from 10-K/10-Q filings for investment decisions

**Software Engineer - Truenary Solutions** Jan 2023 - Feb 2024

- Built new features and refactored Flutter apps using **clean architecture and Bloc**, improving performance ~10%.
- Participated in **feature planning and discussions** using Jira.
- Implemented **CI/CD pipelines** with GitHub Actions and TestFlight.

**Software Engineer/Co-founder- Hexlipi** October 2018 - December 2022

- Involved in the development of the mobile app "Talk My Doc" by collaborating with doctors
- Architected the backend design, involved in full stack development, analytics, and product-market fit
- Integrated payment system like e-Sewa and handle third party contracts

## OTHER PROJECTS

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- **Imagly (Dictionary app):** Implemented **OCR** to capture text via camera and generate word lists for quick meaning lookup, eliminating manual typing, and improving reader productivity (Flutter, Firebase, Google ML Kit).