Kevin Antony

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EDUCATION

National Institute of Technology, Jalandhar (prev. R.E.C. Jalandhar) — Punjab, India
Bachelor of Technology in Computer Science & Engineering, (Top 10%) — *Dec. 2020 – Jun 2024*

Indian School Al Ghubra — Muscat, Oman
Central Board Of Secondary Education, Class X: 87%, Class XII: 90% — *May 2018 – May 2020*

EXPERIENCE

Machine Learning Engineer — Aug. 2024 – Present
Pixlr — *Singapore & Malaysia*
- Worked extensively with **Flux, Stable Diffusion Models, Diffusers, Transformers, LLMs, LoRAs, RAG, Inpainting, Controlnets** and **Speech-To-Text Models**.
- Spearheaded R&D of AI products from POC to commercialization.
- Engineered AI technologies for **image processing, generative AI, NLP, NLG, and NLU.**
- Championed agile scrum methodology to enhance team communication and efficiency.
- Pioneered AI deployment process, collaborating with DevOps and applying **MLOps** best practices

Product Analyst — Dec. 2023 – May 2024
Brance • (Internship) — *New Delhi, India*
- Built and executed complex **SQL** queries tailored for **ETL processes**, with a specialization in RegEx queries.
- Developed 15+ **business intelligence dashboards** for 10+ Clients using **Google Cloud Platform** tools including **Looker Studio** & **BigQuery** for real-time monitoring, improving data visibility by 30% and reducing reporting time by 40%.
- Directed **Product Operations**, ensuring seamless daily functions crucial for bot operations, adhering strictly to SOPs for KD and DB creation, thereby optimizing product efficiency by 25%.
- Led 5+ multifaceted **research initiatives**, including **analyzing response times** and **conducting competitive benchmarking** studies to evaluate product performance against competitors.
- Designed **conversational flow** and spearheaded the **technical development of 4+ features**, driving innovation and user engagement.

Software Development Engineer (Founder's Office) - ML & GenAI — June 2023 – Aug. 2023
AnCrypto • (Internship) — *Chandigarh, India*
- Developed a **Generative AI assistant**, used **LangChain** for proficient multi-document retrieval and question-answering. Integrated **Chroma vector store**, **OpenAI embeddings**, and employed the GPT-3.5-turbo language model to optimize document indexing, enhance similarity matching by 39%, and ensure seamless database persistence.
- Engineered a **Time-Series forecasting toolkit**, bringing together an ensemble of **LSTM, XGBoost, ARIMA, and Prophet** models and utilized these models to **forecast future prices of multiple cryptocurrencies**, enhancing strategic decision-making and market analysis for users.

PROJECTS

PhishNet: A Phishing Websites Detection Tool | NIT, Jalandhar — *arXiv*
- This project employs advanced machine learning and data science techniques, including feature extraction and XGBoost to predict phishing websites.

Blockchain based Petition System — *arXiv*
- Proposed a blockchain-based decentralized petition system to enhance transparency, security, and democratization in petition and voting processes, eliminating the need for intermediaries.

TECHNICAL SKILLS

Languages : Python, C/C++, SQL, R, Rust
Libraries & Databases: PyTorch, NumPy, FastAPI, MySQL, PostgreSQL, Ray, Redis, BigQuery
Tools & Others: Google Cloud Platform (GCP), Amazon Web Services (AWS), Git, Docker, Linux, JIRA, Advanced Excel, Looker Studio