

Yoihen Elangbam

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Location: Bengaluru, India

EDUCATION

Manipal Institute of Technology, Udupi, Karnataka

Graduated: Aug 2026

- Bachelor of Technology (BTech) in **Data Science Engineering** | CGPA: 7.24/10
- Relevant Coursework: Data Structures and Algorithms, Machine Learning, Big Data Analytics, Database Management Systems

SKILLS

Languages: Python, SQL (MySQL, Oracle), R, JavaScript, Java, C++, C#

Data and ML: Pandas, NumPy, scikit-learn, TensorFlow, PyTorch, OpenCV, NLTK, Matplotlib, Seaborn, MATLAB

BI and Analytics: Power BI (DAX), Tableau, Amazon QuickSight, Stata, Advanced Excel (VBA)

Data Engineering and Cloud: ETL/ELT (Snowflake, AWS Glue, Amazon ETLM), AWS S3, Athena, Redshift, SageMaker, Redis

Engineering Tools: Git, GitHub Actions (CI), pytest, Claude API (LLMs), Cloudflare

WORK EXPERIENCE

Fidelity Investments, Bengaluru, India

Mar 2026 - Jul 2026

Data Analyst Intern

- Built ETL/ELT pipelines on Snowflake and AWS S3 unifying call, participant and campaign data, cutting data preparation from several days to under 4 hours (~80%), with SQL logic to standardise inconsistent site names.
- Delivered a 3-page Power BI operations dashboard for BlackRock LifePath Paycheck (\$16B AUM), approved by the VP of Analytics and used by 40 people, tracking NBA score, SLA compliance, average hold time and redirect % across 683 calls.
- Automated nightly incremental refreshes (Snowflake Time Travel) and Power BI alerts for SLA below 65% and complaint spikes.
- For Guaranteed Income Direct, joined 3 sources (~10K interactions, 5,500 participants, 34 campaigns) and trained a random forest in AWS SageMaker on RFM and behavioural features, predicting funnel completion with 95% accuracy.

Amazon, Bengaluru, India

Jul 2025 - Dec 2025

Business Analyst Intern

- Delivered an Ops Variable chatbot on Amazon QuickSuite that cut report generation time by 90%, from 3-4 days to 1-2 hours.
- Built a self-service Ops Variable Cost and Volume Drivers dashboard tracking costs and labour hours across 77 process paths in US fulfilment centres; used by 45 people in RBS-CtS plus finance and logistics teams.
- Identified a major entitlement-capture defect in Amazon US Retail Marketplace fulfilment, tied to \$42M in redundant Ops Variable process costs.

Dear Asian Youth, United States (Remote)

Apr 2025 - Aug 2025

Marketing Associate

- Grew audience reach by 35% by using Instagram and TikTok campaign analytics to tune posting strategy.

National Health Systems Resource Centre, New Delhi, India

May 2024 - Jul 2024

Data Analyst Intern

- Contributed to **National Health Accounts 2021-22** by analysing Public Health and Family Welfare budgets for a MoSPI, MoHFW and WHO expert group.
- Collected, analysed and visualised 2 years of budget data for 7 states in the **Health Care Financing (HCF)** division.
- Presented drivers of India's **low female labour force participation** using correlation analysis in Python and R.

PROJECTS

CookNoBook | cooknobook.com | Python, JavaScript, Redis, Claude API, pytest, GitHub Actions, Cloudflare

- Built and shipped a framework-free full-stack web app that parses recipes in a custom indentation-based format into a step-dependency tree, rendered by a custom layout engine as a grid, SVG flow graph or cards.
- Designed a cost-tiered LLM data pipeline: requests resolve against a 133-recipe library and a Redis cache before any model call, jobs route by task to Claude Sonnet (generation) or Haiku (cheap lookups), and schema.org JSON-LD extraction from source pages cuts prompt input from ~20k to ~1k tokens (~95%); library and cached recipes load in under 1 second.
- Added automated data validation for LLM output: a tree checker catches structural errors and triggers one targeted repair call; a 1,000+ test pytest suite in GitHub Actions CI enforces structure and plain-language rules.
- Hardened against abuse and runaway API spend with Cloudflare Turnstile issuing HMAC-signed day passes, per-IP and per-pass rate limiting, an hourly circuit breaker and a concurrent-connection cap.
- Shipped production features: CDN asset caching, JSON-LD SEO and a sitemap, auto-regeneration of recipes flagged by multiple users, and accessibility (dyslexia-friendly font, reduced motion, text-to-speech).

WhatsApp Data Analysis | Python, NLTK, Seaborn, Kaleido

Oct 2024

- Ran sentiment, text-frequency and member-behaviour analysis on a chat dataset of 250,000+ messages and image files.

LEADERSHIP AND VOLUNTEERING

- Founder**, North Eastern Students Association, Manipal: grew it to 40+ bachelor's, master's and PhD members 2025
- Sergeant at Arms**, Amazon Bangalore Toastmasters Club: ran ~10 meetings for a 30-member club 2025
- English Teacher**, ENGIN: taught English to Ukrainian undergraduate students Oct 2024 - Mar 2025

ACHIEVEMENTS AND CONFERENCES

- Dragon 100 Delegate**, The Dragon Foundation, Hong Kong Aug 2026
- Phoenix Fellowship**, awarded by Phoenix Foundation, Hong Kong Feb 2025
- Delegate for India**, Harvard Project for Asian and International Relations 2024, Bangkok, Thailand Aug 2024