

# Hank Emmanuel Nixon

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## EDUCATION

**Amal Jyothi College of Engineering (Autonomous)**

*Bachelor of Technology, Information Technology*

Kottayam, India

July 2022 – June 2026

## EXPERIENCE

**Full-Stack Developer Intern**

*PeopleMaketh*

July 2025 – Present

*Bengaluru, India*

- Spearheaded development of an AI-enabled secure code analysis tool using SonarQube and Semgrep, improving code quality checks by 60%.
- Designed and deployed scalable APIs and database schemas supporting 5K+ daily requests.
- Automated CI/CD workflows using GitHub Actions, reducing deployment time by 40%.

**Software Engineer Intern**

*LyLux Lighting Equipment Trading LLC*

July 2025 – Present

*Dubai, UAE*

- Developed a centralized platform to manage 400+ lighting products and 50+ configurable variants.
- Automated catalog creation and product publishing, reducing manual entry time by 70%.
- Implemented live preview and bulk-edit modules, improving data accuracy and workflow efficiency by 55%.

**Software Development Intern**

*Partheon Research and Technology Pvt. Ltd.*

April 2025 – June 2025

*Pune, Maharashtra*

- Built EV charger UI in Flutter with map integration and live status, improving user response time by 50%.
- Integrated performance enhancements that reduced UI lag by 30%.
- Debugged BLE communication issues with cross-team input, raising app reliability to 90%+.

## PROJECTS

**SecureThreadOPS - VMS** | *Python, FastAPI, React, PostgreSQL*

July 2025 – Present

- Built a platform managing 5000+ vulnerabilities across 200+ assets with automated triage and fixes.
- Applied risk-based scoring on severity and asset impact, cutting manual review by 60%.
- Deployed LLM and rule-based scanners, boosting detection accuracy by 45%.

**CareerWise** | *Python, FastAPI, React, Local LLM*

May 2025 – Present

- Developed a scalable web app providing tailored career guidance to 100+ users using LLMs.
- Personalized content delivery (scholarships, internships, toolkits) for 3+ user types, improving retention.
- Launched pilot at 3 colleges, receiving 95% positive feedback from early users.

**HASH - AI-Powered Learning Platform** | *Python, FastAPI, React, PostgreSQL*

Dec. 2024 – Mar. 2025

- Created a quiz generator used by 200+ students and teachers for automated testing.
- Implemented ranking and analytics logic used by 200+ users for quiz scoring and certifications.
- Won "Best University Project" and piloted at department-level for 2 semesters.

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, TypeScript, Dart, Java, C, PHP, SQL, Bash

**Frameworks/Tools:** FastAPI, React, Node.js, Express.js, Flutter, Tailwind, Django, Flask

**Databases:** MySQL, MongoDB, PostgreSQL, Supabase, NeonDB, Redis

**Dev Tools:** Git, GitHub Actions, Postman, Figma, Adobe Suite, Blender, n8n, Canva, Docker, Vercel

## CERTIFICATIONS

**Coursera:** Google – Data Analysis with R; **AWS** – Generative AI with LLMs; **IBM** – Python for Data Sci. & AI

**NPTEL:** Cloud Computing Fundamentals — **IIT Kharagpur:** Artificial Intelligence with Python

## ADDITIONAL INFORMATION

**Achievements:** Bolt Global Hackathon (Top 10%) | Smart India Hackathon (National Runner-Up) | YIP (District Level Winner) | Old School Hackathon (College Runner-Up) | Principal's Honours (8+ CGPA) | Google Solutions Challenge (Top Submission, 2025)

**Languages:** English, Hindi, Malayalam (Native), Basic: French, Arabic, Tamil