

# NOEL GEORGE

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## PROFESSIONAL SUMMARY

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Developer with hands-on experience building production-ready AI systems, full-stack applications, and IoT prototypes. Skilled in designing, developing, and deploying robust solutions using Python, FastAPI, React Native, SQL, and cloud-based workflows. Known for taking projects from concept to deployment, owning features end-to-end, and driving measurable impact through clean code, performance optimization, and thoughtful product decisions.

## EDUCATION

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<b>B.Tech in Computer Science (Data Science)</b>	2022 - 2026
<i>Acharya Institute of Technology</i>	
<b>Pre-University</b>	2020 - 2022
<i>St. Joseph's PU College</i>	
<b>High School</b>	2020
<i>Anthony Claret School</i>	

## SKILLS

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- C++
- Python
- JavaScript
- SQL
- HTML
- CSS
- Flask
- React Native
- Firebase
- Git
- Postman
- ElectronJS
- Arduino
- MySQL
- PostgreSQL
- Machine Learning
- Data Structures
- Big Data.
- FastAPI
- Arduino IoT

## PROJECTS

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### Product Owner & ML Engineer

*ChronoSync - AI-Powered Personalized Chronobiology Platform*

- Defined product vision, user personas, and feature roadmap for an AI system that optimizes daily routines using sleep, chronotype, and emotion insights.
- Designed end-to-end user flows, system architecture, and core experience for personalized productivity recommendations.
- Built ML pipelines for sleep stage detection, emotion recognition, and chronotype prediction; improved accuracy and stability through iterative experiments.
- Developed a real-time dashboard and backend (FastAPI) enabling seamless inference integration and user feedback collection.
- Delivered a fully functional MVP ready for deployment and industry-level evaluation.

## **Product Designer & Full-Stack Developer**

*Saarthi AI - Government Scheme Voice Assistant* ↗

- Identified key user problem: difficulty discovering government benefits across languages and literacy levels.
- Designed conversational UX in English + regional languages to improve accessibility.
- Implemented the voice assistant using NLP pipelines and deployed publicly on Vercel.
- Improved discoverability of schemes by structuring responses by eligibility, benefits, and application steps.
- Enabled user trials and demos, gathering feedback to guide next feature iterations.

## **Founder & Developer**

*BitBon - Open-Source Bitcoin Tracker Widget* ↗

- Built a real-time cryptocurrency tracker with customizable alerts and minimalist UI.
- Defined core feature set: live price monitoring, pop-up alerts, and one-click installer.
- Published as an open-source tool, enabling community contribution and adoption.
- Structured documentation, roadmap, and modular codebase for maintainability.

## **Product + Engineering Lead**

*Beacon - Bitcoin-Triggered IoT Smart Lamp*

- Designed a proof-of-concept IoT device reacting to Bitcoin market movements.
- Developed the control system (Arduino + mobile interface), exploring user novelty use-cases for ambient financial signals.
- Documented findings to evaluate potential productization for traders or hobbyists.

## **Freelance Product & Web Development (Client Work)**

<https://marichin.group/>

- Marichin Group - Corporate Website
- Managed full product delivery: requirement gathering development deployment.
- Implemented SEO and optimized load times, improving discoverability and performance.

<https://healholistic.in/> ↗

- HealHolistic - Wellness Brand Website
- Designed responsive user experience aligned with brand positioning.
- Delivered complete deployment + domain and DNS setup for long-term scalability.

## **LEADERSHIP & INVOLVEMENT**

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- Chief Advisor, MUN Society – Acharya Institutes
- Head Boy – Anthony Claret School
- Hackathon participant (multiple college-level events)
- Debate & MUN participant at VTU-level competitions
- Self-taught developer with strong initiative and rapid learning ability