

Reece Marion Rodrigues

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Portfolio & projects: reece-rodrigues.vercel.app

[GitHub](#) | [LinkedIn](#) | [LeetCode](#)

Professional Summary

MSc Artificial Intelligence student at King's College London with a strong Computer Science foundation (BSc CGPA 8.45) and industry experience at Societe Generale and King's. Combines solid CS fundamental algorithms, systems, and software engineering with full-stack development, AI/ML (computer vision, NLP, XAI, fraud detection), and production systems. Proficient in Python, PyTorch, React, and Spring Boot. Pursuing AI Engineering roles with a focus on practical ML and explainable AI.

Work Experience

Web Programmer

Apr 2026 – June 2026

King's College London, London, UK | strype.org

- Contribute to backend development for the Strype educational software project.
- Designed and maintained database workflows for non-personal user activity statistics.
- Turned aggregate usage insights into actionable recommendations for feature and performance planning.

Software Developer

Mar 2025 – Aug 2025

Societe Generale Global Solution Centre (Hybrid), Bengaluru, India

- Built and tested frontend and backend services; designed REST APIs that improved cross-service data accuracy.
- Resolved production incidents using UAT, Jenkins, Swagger, and CI/CD quality checks.
- Identified and fixed SQL injection vulnerabilities with SonarQube/JFrog-backed remediation workflows.

Full Stack Developer Intern

Jun 2023 – Jul 2023

Capabl.io (Remote)

- Delivered two end-to-end projects in a rapid sprint cycle using Python and full-stack integration.
- Improved delivery confidence through structured testing and iterative releases.

Selected Projects

- **LiveRecall** ([repo](#)): **Top 6 finalist**, MongoDB Agentic Evolution Hackathon; demoed at MongoDB .local London. Multi-agent RAG system for hands-free clinical decision support using FastAPI, MongoDB Vector Search, and Next.js.
- **FounderGraph** ([repo](#)): Hack Nation Global AI Hackathon—VC diligence agent that builds a living technical + claim graph from founder repos/decks, scores Trust per claim, and writes evidence-backed investment memos (Next.js, Anthropic, grounded chat with citations).
- **ForgeWind** ([repo](#)): Full-stack AI career platform with multi-agent workflows, REST APIs, PostgreSQL, Redis, and Docker. Built for profile analysis, job matching, and application content generation.
- **VisionFlow** ([repo](#)): License plate recognition + traffic flow system prioritizing emergency vehicles using computer vision. [Live Demo](#)
- **AURA-AI** ([repo](#)): Root-cause and emotional reasoning assistant for structured analytical workflows. [Live Demo](#)
- **Fraud Transaction Detection** ([repo](#)): SMOTE + ML pipeline for imbalanced banking data to improve minority-class recall.
- **Job-Hunter** ([repo](#)): GenAI-assisted resume-based cover letter and application content generator. [Live Demo](#)
- **RapidAPI Portfolio**: Published 7+ APIs including resume parser, JSON flatten, cron preview, webhook signature verifier, link preview, ad copy, and lead enrichment. [Profile](#)

Publications & Research

Blockchain-Based Crowdfunding with Milestone-Based Refunds

Apr 2025

International Scientific Journal of Engineering and Management (ISJEM), Vol. 04, Issue 04

DOI: [10.55041/ISJEM03105](https://doi.org/10.55041/ISJEM03105)

- Designed a blockchain crowdfunding model with milestone-driven release and automatic refund protection.

Phishing Detection using XAI and Ensemble Models

Aug 2026

MSc Thesis, King's College London

- Exploring ensemble methods with explainable AI for transparent phishing detection.

Skills & Certifications

Technical: Python, Java, JavaScript/TypeScript, React, FastAPI, Spring Boot, Node.js, MySQL, Docker, Git&Github, AWS(Lambda,S3), Postman

AI/ML: Computer Vision, NLP, LLMs, XAI, Neural Networks, SMOTE, Ensemble Learning

Soft Skills: Communication, Problem Solving, Teamwork, Adaptability, Time Management

Certifications ([view all](#)): Google (Networking, Python, CCNA v7, Git); IBM (AI Apps with Flask, Python for Data Science); Java, SQL, OOP, Cybersecurity

Education

MSc Artificial Intelligence

Sep 2025 – Sep 2026 (Ongoing)

King's College London, London, UK

Focus: AI, Multi-agent reasoning, Machine Learning, Computer Vision

BSc Computer Science

Sep 2021 – Aug 2025

Jain University, Bangalore, India

CGPA: 8.45