

# Benny Rocys

Software Engineer

07921854947 | bennyrocys@gmail.com | bennyrocys.dev | linkedin

## Summary

---

Full-stack software engineer with a strong focus on backend development, AI automation, and front-end interfaces. Experienced in Python with additional proficiency in front-end tools like React and TypeScript. Proven ability to deliver production-ready tools that solve business problems and reduce manual workloads through intelligent automation.

## Skills

---

**Languages:** Python, SQL, R, JavaScript, TypeScript, HTML, CSS

**Libraries/Frameworks:** Pandas, PyTorch, React, Next, FastAPI, PostgreSQL

**Tools:** Git, Docker, Grafana

## Experience

---

**Software Engineer**, Fifty One Degrees – London, UK

Mar 2025 – Present

- Led the development of an AI-driven form automation platform, cutting client processing time by over 80%.
- Developed an LLM-powered agent that integrates with Freshdesk; automates PDF parsing and data extraction upon ticket creation, then submits information to internal systems.

**Frontend Developer Intern**, Hybytes – London, UK

Nov 2024 – Mar 2025

- Developed responsive web applications using Next.js and Tailwind CSS.
- Collaborated with designers and backend teams to deliver cross-platform projects ahead of schedule, enhancing user experience across devices.
- Improved application performance by implementing lazy loading and image optimisation, reducing bounce rates by 15%.

## Projects

---

### Grocery Store Mobile App

- Collaborated with a team to develop a Kotlin-based mobile app for a grocery store, implementing features like a QR code scanner and shopping cart to enhance inventory management and user experience.

### Neural Text Translator for English-Spanish

- Fine-tuned machine learning models for English-Spanish translation, achieving a 23% increase in BLEU score.
- Designed and implemented a transformer model from scratch, improving translation quality and inference speed.

### Student Success Prediction Model

- Built a machine learning pipeline using Linear Regression and Random Forest to predict student performance, achieving an R-squared of 85%
- Preprocessed academic datasets and visualised key predictors of success using Matplotlib and Seaborn

## Education

---

**King's College London** – BSc Hons in Computer Science with Artificial Intelligence

August 2024

**The Fulham Boys School** – A-levels: A\* A\* A\* A\*

June 2021

## Courses

---

Machine learning specialisation with Stanford and DeepLearning.AI

AWS Partner: Technical Accredited