

# Granth Jain

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## Professional Summary

BSc Computer Science undergraduate at Loughborough University with industry experience building and operating production systems. Delivered measurable engineering impact, including 67% faster deployments and 65% fewer deployment errors through CI/CD optimisation and automation. Strong foundation in data structures, algorithms, and system design, with hands-on experience in Python, TypeScript, Docker, and cloud infrastructure. Passionate about building scalable, reliable software that performs in real-world environments.

## Education

<b>Loughborough University</b> BSc Computer Science	2023 — Expected 2026 Loughborough, UK
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## Work Experience

<b>Full-Stack Software Developer (part-time)</b> Claudia by Neuro	Feb 2026 — Present Loughborough, UK (Remote)
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<b>Software &amp; DevOps Engineer (part-time)</b> Open Consulting	Aug 2025 — Dec 2025 London, UK
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- Reduced deployment time from 3 days to 1 day by streamlining release management processes and implementing automated testing workflows
- Built CI/CD pipelines using GitHub Actions and Docker, cutting build times by 28% through optimised caching strategies
- Unified versioning standards across 5 cross-functional teams, ensuring traceable releases and reducing integration conflicts by 40%
- Maintained 99.5% uptime during client deployments through improved monitoring, rollback automation, and infrastructure configuration

<b>Software Engineer (part-time)</b> Kuroza	Jul 2025 — Nov 2025 Loughborough, UK
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- Developed core business logic and algorithms for mobile app using Dart and Flutter, reducing processing time for key features by 45%
- Built backend systems and API integrations to support scalable mobile application architecture
- Collaborated on company website design and implementation, aligning technical implementation with brand requirements

<b>Software Engineering Intern</b> Open Consulting	Jul 2025 — Aug 2025 London, UK
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- Developed reusable data pipeline handling ingestion from SFTP, HTTP, Oracle Cloud, and AWS, reducing data delivery time by 50%
- Implemented CI/CD pipelines with 90% test coverage, decreasing deployment errors by 65%
- Created shared libraries for common functionality, accelerating time-to-launch for new features by 30%
- Collaborated with cross-functional teams to optimise data workflows, supporting data-driven decision-making across 3 departments

<b>Freelance Software Developer</b> Self-employed	Sep 2023 — Dec 2024 London, UK
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- Built custom inventory management system with real-time website integration, reducing stock discrepancies by 60% and manual errors by 70%
- Developed full-stack productivity platform for small teams, improving deadline adherence by 30% through real-time task tracking and analytics dashboards
- Created Python-based pixel art editor with custom 2D rendering engine, demonstrating low-level graphics programming capabilities

## Selected Projects

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### pdf2md

- Built a CLI & Self-Hostable tool to convert PDFs to MD files for LLM ingestion.
- [cat-loaf/pdf2md](#)

### VSCode Tasks Integration Extension

- Published VS Code extension organizing workspace tasks in tree-view interface with one-click execution and status indicators
- [vscode-task-view](#)

### Python Code Jam 2025

- Built HTML teaching website entirely in Python (theme: “Wrong tool for the job”), showcasing creative problem-solving and unconventional solutions
- [cat-loaf/code-jam-2025](#)

### Minimalist NewTab Chrome Extension

- Customisable New Tab replacement with quick-access links and personalisation options for improved browser productivity
- [cat-loaf/minimalist-newtab](#)

## Technical Skills

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### Programming Languages:

Python (primary), JavaScript / TypeScript, C, C#, Odin, SQL, HTML/CSS

### Frameworks & Libraries:

React, Next.js, Node.js, Express.js, Flutter, Raylib, OpenGL

### DevOps, Cloud, & Infrastructure:

Docker, GitHub Actions, CI/CD pipeline design, AWS, Oracle Cloud, Firebase, MongoDB

### Software Engineering & Practices:

System & API design, RESTful services, Full-Stack Development, Test Automation, Version Control (Git), Agile/Scrum

### Relevant Coursework:

Data Structures & Algorithms, Operating Systems, Computer Systems, Functional Programming, AI Methods, Data Mining & Machine Learning, Advanced Networking, Cyber Security, Software Engineering