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 has real-world impact.

Education

Loughborough University   2023 — 2026
BSc Computer Science   Loughborough, UK

Work Experience

Fullstack Software Engineer   Apr 2026 — Present
Hauze   Lougborough, UK (Remote)

Fullstack Software Intern   Feb 2026 — Mar 2026
Claudia by Neuro   Loughborough, UK (Remote)
- Developed full-stack features involving frontend UI, backend logic, and database changes.

Software & DevOps Engineer (part-time)   Aug 2025 — Dec 2025
Open Consulting   London, UK
- 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

Software Engineer (part-time)   Jul 2025 — Nov 2025
Kuroza   Loughborough, UK
- 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

Software Engineering Intern   Jul 2025 — Aug 2025
Open Consulting   London, UK
- 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

Selected Projects

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

Programming Languages:
Python, 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