

Avinash Negi

Kotdwara, Uttarakhand, India | Remote only

[GitHub](#) | [LinkedIn](#) | [Medium](#) | [Hashnode](#) | [LeetCode](#) Email: avinashnegi1999work@gmail.com | Mobile: +91 8954913050

PYTHON DEVELOPER

Self-taught **Python** developer who builds and runs backend services on **Linux**. I deployed and maintain a live welfare-screening service on **AWS EC2** that answers over WhatsApp and Telegram, and I write up what breaks along the way. No employment history yet, so the repositories below are the argument.

TECHNICAL SKILLS

Languages	: Python, C, SQL
Core	: Data Structures and Algorithms, Object-Oriented Programming
In progress	: FastAPI, PostgreSQL, Docker and Docker Compose, AWS EC2, GTK4/libadwaita, GitHub Actions CI
APIs	: WhatsApp Cloud API, Telegram Bot API, REST
Dev Tools	: Git, Linux command line (daily driver), Visual Studio Code

PROJECTS

<u>Jojana Sathi – live</u>	<i>Python, FastAPI, PostgreSQL, Docker, AWS EC2</i>	Docs Site
- Welfare-scheme screening for India's unorganised workers in Hindi and English, reachable over WhatsApp Cloud API and Telegram - Eligibility is decided by deterministic rules with a citation attached to every value; a language model handles language only and never decides eligibility - Any scheme value not yet verified by a human returns UNKNOWN rather than a guess, so a wrong answer cannot reach a user unnoticed Self-hosted and maintained by me on AWS EC2 (ap-south-1), running 24/7 and surviving reboot, with a green GitHub Actions pipeline		
<u>tufglow</u>	<i>Python, GTK4, libadwaita, Linux sysfs</i>	Source Code
- A GTK4 desktop app controlling colour, brightness, effects and hotkeys for ASUS TUF single-zone keyboard backlighting on Linux - Drives the kernel's asus-nb-wmi sysfs interface directly, with no <code>asusctl</code> dependency, replacing a Windows-only vendor utility - Wrote a public post-mortem of the two times an early version froze the whole machine, and what the fix was		
<u>NIMCET Past-Paper Analysis</u>	<i>Python, data analysis</i>	Source Code
- Labelled and re-verified 2,248 questions across 19 years of past papers (2008–2026) and rendered a heat-map dashboard of topic weightage - Surfaced shifts the official syllabus does not state, such as a topic disappearing from the paper entirely and another section roughly doubling in one year		
<u>100 Days of Python</u>	<i>Python</i>	Source Code
A 100-day public log of Python projects and problem-solving; a practice record rather than a product		

EDUCATION

Amity University Online <i>Bachelor's Degree, Software Engineering specialisation</i>	Kotdwara, Uttarakhand, India <i>Expected May 2027</i>
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WRITING

- "[I built a keyboard RGB app for my laptop, and it froze the whole machine twice](#)" – the tufglow post-mortem, a debugging story rather than a tutorial (Medium)
- [DSA with Python](#) – an ongoing series covering linked lists through dynamic programming (Hashnode)
- [Linux for Beginners](#) – an ongoing series on the command line from zero (Hashnode)

TRAINING

- 100 Days of Code: The Complete Python Pro Bootcamp (Udemy)
- Data Structures and Algorithms in Python, a 44-day theory sprint (Udemy) – linked lists, stacks and queues, BSTs, hash tables, graphs, heaps, recursion, sorting, dynamic programming
- Linux command line course (Udemy)