Swastik Sharma

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VPO Marwari, District UNA, Himachal Pradesh, INDIA

WORK EXPERIENCE

- **Q3 Technolgies Private Limited** — Gurugram, Haryana
  Software Engineer(Full-Time) — *Dec 2025 - present*
  - ◇ Designed, developed, and maintained scalable backend services using Python, following clean architecture and modular design principles.
  - ◇ Built and optimized RESTful APIs to support high-traffic client applications, ensuring reliability, security, and performance.
  - ◇ Integrated backend systems with AWS cloud services such as EC2, S3, RDS, Lambda, CloudWatch, and IAM.

- **Valiant Fintech Pvt. Ltd. — BeyondIRR** — Mumbai, Maharashtra
  SDE Intern(Hybrid) — *Sept 2024 - August 2025*
  - ◇ Engineered 5+ production-grade WealthTech apps boosting performance by **30%** in cloud-native environments.
  - ◇ Integrated Azure AD for secure, scalable auth SSO across 5+ enterprise systems with **100% uptime.**
  - ◇ Delivered SaaS solutions to 10+ clients using Elasticsearch, S3, CloudFront, and other AWS services.

- **Shucon Solutions Private Limited** — Remote
  Django Developer(Part-Time) — *December 2024 - March 2025*
  - ◇ Built scalable Django REST APIs from the ground up and led the successful release upto 2nd version.
  - ◇ Architected and deployed backend system on Kubernetes clusters with load balancers for high availability.

- **Google Summer of Code '24 - AboutCode** — Remote
  Open Source Developer (Full time) — *May 2024 - August 2024*
  - ◇ Increased scanning precision by **40%** by enhancing package/file-level summaries and SCA accuracy.
  - ◇ Improved package assembly detection with over **25,000+** passing tests for reliable results across ecosystems.

PROJECTS

- **Package Summary** | *Python, Packaging, Package Ecosystems* — Project Report
  - ◇ Computed package-level summaries including License Clarity Score and key metadata like copyrights, holders etc.
  - ◇ Refactored and architected code to support diverse ecosystems like npm, Python (whl), Rubygems, Apache Maven etc.
  - ◇ Authored robust tests for **20+** package ecosystems to ensure reliability and accuracy.

- **Prodyogiki'24** | *NextJS, Django, DRF, Docker, Redis, PostgreSQL* — Frontend | Backend
  - ◇ Developed a scalable NextJS and Django Full Stack Website for College Fest **Prodyogiki'24** at NITH.
  - ◇ Handled **1000+ participants, 150+ teams**, and high-frequency requests across 10 events with real-time updates.

- **Application Portal** | *Python, Django, Docker, PostgreSQL, Celery* — Link
  - ◇ Created a Custom Application Portal (similar to Google Forms) and reduced field customization time by **50%**.
  - ◇ Served over 500 college students, utilized for **7 interview cycles** (College Society Interviews) as registration form.

SKILLS

- **Languages:** Python, C, C++, Go-lang, Rust, HTML, CSS, JavaScript, SQL
- **Frameworks:** Django, Flask, FastAPI, Django-REST Framework, LangChain, Tauri, ReactJS, NextJS, Svelte, Hugo
- **Tools:** AWS SNS/SQS/Lambda/EC2, Git/GitHub, Apache Zookeeper, Redis, GitHub Actions, GitLab, PGVector
- **Platforms:** Linux, Web, Windows, Raspberry Pi, Arduino, AWS

EDUCATION

Indian Institute of Technology — Mandi, India
Minor in Computer Science Engineering & Next Gen technologies Program — *October 2024 - October 2025*
- ◇ **Relevant Coursework:** *Data Structures and Algorithms (DSA), Database Management Systems (DBMS), Object Oriented Programming (OOPs), Computer Networks, System Architecture*

National Institute of Technology — Hamirpur, India
Bachelor of Technology - Electrical Engineering; CGPA: 8.15/10 — *December 2021 - May 2025*

HONORS AND AWARDS

1. Google Summer of Code 2024 Scholar and GSoC '25 Mentor.
2. Second Runner at **ASCENSIO**, Open Exhibition conducted under Annual Technical Fest of NIT Hamirpur -April 2023.
3. Finalist at TECHFEST Hack.AI 2023, IITB led a breakthrough AI project that boosted app engagement by **40%.**
4. Ranked in the top 10 nationwide teams at Hackathon **Hack it out**, at TECHNEX, IIT-BHU -March 2023.
5. Runners-Up at Electrothon 5.0, NIT Hamirpur, outperforming **70+** teams & secured MLH Fellowship Interview.