

# SWASTIK SHARMA

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## EDUCATION

- Indian Institute of Technology**  
*Minor in CSE & Next Gen technologies Program, CCE - IIT Mandi*

Mandi, India  
October 2024 - present
- National Institute of Technology**  
*Bachelor of Technology - Electrical Engineering; CGPA: 7.88/10*

Hamirpur, India  
December 2021 - present
- ◇ **Relevant Coursework:** *Data Structures and Algorithms (DSA), Database Management Systems (DBMS), Object Oriented Programming (OOPs), Computer Networks*

◇ **Minors:** *Engineering Economics & Accountancy, Industrial Psychology, Indian Business Environment*

## SKILLS

- **Languages:** Python, GO, Rust, C, C++, HTML, CSS, JavaScript, SQL
- **Frameworks:** Tauri, ReactJS, NextJS, Django, Flask, FastAPI, Django-REST Framework, Svelte, Hugo
- **Tools:** Git/GitHub, GitHub Actions, GitLab, Postman, PostgreSQL, Jinja, LaTeX
- **Platforms:** Linux, Web, Windows, Raspberry Pi, Arduino
- **Soft Skills:** Brainstorming, Teamwork, Leadership, Communication

## WORK EXPERIENCE

- BeyondIRR**  
*SDE Intern(Internship)*

Remote  
Sept 2024 - present

◇ Developed and optimized 3+ production-level web applications using Django/DRF and Flask, improving performance by 30% on average.

◇ Implemented and ensured seamless Azure AD integrations for authentication, supporting 5+ multi-client projects with 100% uptime for authorization systems.

◇ Collaborated with 10+ clients as part of a SaaS-based environment, delivering tailored solutions to meet specific requirements, reducing deployment errors by 20%
- Google Summer of Code '24 - AboutCode**  
*Open Source Developer (Full time)*

Remote  
May 2024 - August 2024

◇ Increased scanning precision by **40%** through detailed package/file-level summaries & improving accuracy for SCA.

◇ Improved package assembly detection to ensure accurate and reliable results, with over 20+ tests added to validate the process across various ecosystems.

## PROJECTS

- Package Summary** | Python, Packaging, Package Ecosystems

Link

◇ Computed a package-level summary that includes the calculation of License Clarity Score and the population of various package attributes such as copyrights, holders, notice texts, and other license expressions.

◇ Architected and refactored the code to ensure that various package ecosystems like npm, Python (whl), Rubygems, and many more can be handled properly.

◇ Authored robust tests for 20+ package ecosystems to ensure reliability and accuracy.
- Prodyogiki'24** | NextJS, Django, DRF, Docker, PostgreSQL

Frontend | Backend

◇ Developed a scalable NextJS and Django Full Stack Website for College Fest **Prodyogiki'24** at NITH.

◇ Accommodated **1000+ individual participants** and **150+ team** members across 10 events & increased user engagement and streamlined organization processes.
- Application Portal** | Python, Django, Docker, PostgreSQL, Celery

Link

◇ Utilized Django backend tools for Application Portal(similar to Google Forms) and reduced field customization time by **50%**.

◇ Served over 500 college students, utilized for over **6 interview cycles** & Achieved a **30% reduction** in administrative overhead and established data security.

## HONORS AND AWARDS

1. Google Summer of Code 2024 Scholar
2. Second Runner at **ASCENSIO**, Open Exhibition conducted under Annual Technical Fest of NIT Hamirpur -April 2023.
3. Orchestrated a groundbreaking project at TECHFEST IIT BOMBAY, December 2023, placing as a finalist in **Hack.AI**; leveraged cutting-edge AI techniques to enhance user experience, boosting app engagement by **40%**.
4. Ranked in the top 10 nationwide teams at Hackathon **Hack it out**, at TECHNEX, IIT-BHU -March 2023.
5. 2nd Runner-Up at Electrothon 5.0, NIT Hamirpur, outperforming **70+** teams & secured MLH Fellowship Interview.

EXTRA CURRICULAR | POSITION OF RESPONSIBILITY

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- **Joint Secretary at Indian Society for Technical Education, Student's Chapter**  
*Organised many events like Hult Prize'23, Prodyogiki'24 with more than **1000+** registrations.*
  - **Training & Placement Representative, NIT Hamirpur**  
*Managed relations between the Placement Cell, 50+ recruiters, and **850+** students.*
  - **Member at GNU/Linux User's Group, NITH**  
*Organised Open Source Month'23 with more than **150+** new contributors.*

Hamirpur, India  
*January 2022 - present*

Hamirpur, India  
*April 2024 - present*

Hamirpur, India  
*January 2022 - present*