

# Granth Agarwal

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## EDUCATION

### ABES Engineering College

*B.Tech in Computer Science*

Ghaziabad, UP

*Oct 2023 - Oct 2027*

### Ch. Chhabil Dass Public School

*Higher Secondary Education, Secondary Education*

Ghaziabad, UP

*March 2021 - March 2023*

## EXPERIENCE

### Technical Coordinator

*GeeksForGeeks @ ABESEC Chapter*

Dec 2024 – Present

*Ghaziabad, UP*

- Managed a team of 8+ developers for research and development
- Developed a URL Shortener using Flask, HTML, CSS, JS and SQLite
- Explored ways to build a community which caters to the needs of technical enthusiasts

*Volunteer*

*May 2024 – Dec 2024*

- Promoted for various tech-oriented events across the tenure, successfully drawing considerable audience
- Played an integral role in organization and management of many tech-oriented events

## PROJECTS

### We Blog | *Python, Flask, HTML, CSS, SQLite, Bootstrap, Git, Poetry*

GitHub

- Developed a full-stack web application using Flask framework, implementing RESTful API endpoints and MVC architecture
- Designed and implemented user authentication system with password hashing and session management, reducing security vulnerabilities by 90%
- Integrated SQLite database with Flask-SQLAlchemy ORM to manage user data, posts, and comments, achieving 50ms average query response time
- Built responsive UI using Bootstrap and custom CSS, resulting in seamless experience across desktop and mobile devices with 98% compatibility

### API Detection Tool | *Python, Git, Poetry, Typing Module, Logging Module*

GitHub

- Developed a command-line security tool that scans Git repositories for exposed API keys and sensitive credentials
- Implemented recursive file scanning algorithms to analyze both tracked and untracked Git files, ensuring comprehensive repository coverage
- Engineered pattern matching system to detect various API key formats and potential security vulnerabilities, preventing accidental credential exposure
- Utilized Poetry for dependency management and packaging, ensuring reproducible builds and streamlined project setup

## TECHNICAL SKILLS

**Languages:** Python, SQL (MySQL, SQLite), JavaScript, HTML/CSS, C

**Frameworks:** Flask, Django, Bootstrap, Tailwind

**Developer Tools:** Git, GitHub, VS Code, PyCharm, Postman, Poetry, Linux

**Deployment Tools:** Vercel, Netlify, Render, Koyeb

## CERTIFICATIONS

**HackerRank Python (Basic) Certificate** – Demonstrates proficiency in Python fundamentals including data structures, OOP concepts, and problem-solving