

Siddharth Singh Chouhan

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EXPERIENCE

Associate Software Engineer - Genesis Technologies

Indore | Jan 2024 - Oct 2025

- Designed and developed modular backend REST APIs with Spring Boot, improving maintainability and deployment efficiency by 30%.
- Integrated a real-time online coding compiler for recruitment assessments, automating 70% of evaluations.
- Enhanced system security using JWT authentication and role-based access control, ensuring secure access management.
- Refactored core backend modules and implemented reusable API templates, improving scalability and reducing manual integration effort.
- Automated multi-application build and deployment pipelines via Python scripts, boosting consistency and reducing manual effort by 70%.

Technical Content Writer – GeeksforGeeks

Remote | Jul 2023 – Dec 2023

- Authored high-impact technical articles (40K+ reads) simplifying complex Python and automation topics — including “Instagram Bot with Python & InstaBot” (22K+ views) and “Mesh Generation in Python with Gmsh” (18K+ views).

PROJECTS

E-commerce Website (Node.js, Spring Boot, MySQL, HTML5, CSS3, Bootstrap 5, JavaScript, REST APIs)

- Built a full-stack e-commerce platform (frontend in Node.js, backend in Spring Boot) from Figma designs with Admin Dashboard, Cart, Wishlist, and Order Management; integrated secure authentication and optimized MySQL performance via REST APIs.

Interactive Visual Foundation Model (Python, ChatGPT API, Salesforce ML Models, Streamlit)

- Built an image captioning and generation system integrating Salesforce models and ChatGPT, achieving 96% caption accuracy and 80% image generation accuracy, with an interactive Streamlit interface for image upload, description, and conversation.

Medal Mania (Python, Pandas, Jupyter Notebook, Streamlit)

- Developed a data-driven model predicting 2020 Olympics medal outcomes using historical data; ranked among top 20 teams in Geek-A-Thon; provided comprehensive analytics on country-wise medal tallies and athlete insights.

Movie Recommendation Model (Python, Pandas, Jupyter Notebook, Streamlit, GitHub Pages)

- Created a content-based movie recommender system using a 5000+ movie dataset from Kaggle; applied feature engineering and achieved 90% accuracy in predicting user preferences based on genres, directors, and cast.

EDUCATION

B.E. in Computer Engineering: D.Y. Patil Institute of Engineering and Technology Pune

Jul 2019 – Jun 2023

ACHIEVEMENTS

Meta Hacker Cup 2025 (Global Rank **2838** / 13K+)

Google Kickstart 2022 (Global Rank **1815** / 12K+)

SKILLS

Languages & Databases: Java 8+, Python, C++, TypeScript, JavaScript, MySQL, PostgreSQL, MongoDB

Frameworks & Libraries: Spring Boot 3.3+, JPA, Angular 16, NestJS, Bootstrap 5, Pandas, NumPy

Tools & Platforms: Git, GitHub, GitLab, Docker, Postman, Jenkins, AWS S3

Core Skills: OOP, REST API Development, API Integration, Debugging, Data Modeling, System Design