

Niladri Dhar

Portfolio: <https://alpha-hexor.github.io/portfolio/>

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EDUCATION

- **Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex** Kolkata, India
B.tech in Computer Science Engineering; GPA: 8.78 Nov 2020 - Aug 2024
- **Baranagar Ramakrishna Mission Ashram High School** Kolkata, India
10 th standard; Marks: 91.3% 2018
- **Baranagar Narendranath Vidyamandir** Kolkata, India
12 th standard; Marks: 85% 2020

SKILLS SUMMARY

- Proficient in Python, C, C++, and Bash scripting for automation, backend development.
- Expertise in Django and Flask for scalable web application development.
- Skilled in Ansible, Pulumi, and Terraform for infrastructure automation and configuration management.
- Hands-on experience with AWS services, including EC2 for cloud deployment and resource management.
- Advanced proficiency in Linux (Ubuntu) and Windows environments for system administration and application support.
- Experienced with Jira for bug tracking and task workflows, ensuring project efficiency.

PROFILE SUMMARY

Results-driven DevOps Engineer with expertise in automation, and cloud infrastructure management. Proven track record of optimizing systems and enhancing operational efficiency. Skilled in Python, Flask, Terraform, and AWS. Adept at transitioning technical knowledge to solve complex problems and deliver innovative solutions.

EXPERIENCE

- **Zscaler** Hybrid
Devops Engineer(Intern) Feb 2024 - Aug 2024
 - **Automated EC2 provisioning** via **Pulumi**, utilizing Infrastructure-as-Code (IaC) for YAML-based scalable deployments, reducing manual effort by 60% .
 - Designed and implemented **Ansible playbooks** to automate Linux setups, package management, and network configurations, improving efficiency and reducing manual effort by 40%.
 - Developed and deployed **Flask APIs** to deliver test results, enhancing backend functionality, data visualization, and user experience.
 - Created Python scripts with **Boto3** for managing **unused AWS resources**, **optimizing** cloud resource utilization, and generating actionable cost-saving insights.Saved 2000 dollars per month.
 - Engineered a **Python Asyncio**-based server benchmarking tool to simulate high-load scenarios and deliver comprehensive performance reports.
 - Managed bug tracking and task workflows using **JIRA**, ensuring efficient issue resolution, team collaboration, and streamlined project delivery.
 - **Code refactoring** was performed to improve readability, maintainability, and performance, implementing best practices to streamline development processes.
 - **Developed and integrated Slack bots** for automation, streamlining communication and workflow processes by automating notifications, task assignments, and reminders.

PROJECTS

- **Linkup - social media website with various functionalities (Web Development)** : LinkUp: Empowering seamless connections. A **Flask-SocketIO** based chat application with chatroom creation, persistent chat history, voice messaging, file sharing, and profile picture features for a dynamic and engaging communication experience.
- **Movie-Cli (web-scraping, python application)**: The **movie-cli** is a fun project based on the fundamentals of web-scraping. It's a console application written in python which will play any movies/series from a certain website without opening any web browser.
- **Twisearch (webscraping)**: The **twisearch** project is a console application written in python to scrape tweet data from x.com without any interaction and or opening web-browser. This application uses specific x.com cookies to login and then based on the user input it will search tweets from the website.It also has feature called storing cursor by which the application can search tweet from the last saved position.This application was mainly developed for a machine learning project.
- **AV Evasion (cybersecurity)**: The Av-Evasion project is a cybersecurity related project that generates custom payload that evades anti-version detection methods.This custom project tries to evade anti-virus detection via various means.