

## TANNU NAGAR

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### PROFESSIONAL SKILLS:

Python, AWS, MySQL, Microsoft Excel, Flask, Pandas, Matplotlib, Linux, Docker, Git, GitHub, NLTK, Web Scraping, Pandas, Cloud, Non-Relational Databases, OOPS, API, EC2, AMI, S3, SQL, HTML, CSS, JS.

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### PROFESSIONAL EXPERIENCE:

#### ContechHub : Data Analyst Intern (May 2024 - Current)

- **Development:** Built a web application using Python and Flask, increasing user engagement by 20%.
  - **Version Control:** Managed code with Git; hosted on GitHub, leading to a 40% improvement in code collaboration efficiency.
  - **Data Handling:** Leveraged Pandas for analysis and web scraping for data collection, handling datasets of up to 1 million rows.
  - **NLP:** Applied text processing with NLTK to process and analyze over 100,000 text entries.
  - **Deployment:** Containerized applications with Docker, reducing deployment time by 50%.
  - **Environment:** Ran services on a Linux server for reliability and performance, achieving a 25% reduction in downtime.
  - **Database:** Implemented MySQL for data storage.
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### ACADEMIC PROJECTS:

#### Book Management System: Flask-based App (Apr 2024 - May 2024)

- Dockerized application, deployed on AWS EC2, managing and tracking over 2,000 books for 150+ users.
- <https://hub.docker.com/repository/docker/tanunagar1/flask-book-app/general>
- `docker pull tanunagar1/flask-book-app`

#### Flatmates Web App: Flask-based app (Jan 2024 - Mar 2024)

- Enhanced communication and resource sharing among flatmates, reducing conflicts by 30%, with integrated form validation using WTForms and developing RESTful APIs for 50+ active users.

#### Weather Visualization: API-based Dashboard (Mar 2024 - Apr 2024)

- Used Matplotlib to return weather parameters as JSON response, processing data for 500+ cities, and providing real-time weather insights to 200+ users daily.
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### CERTIFICATES:

- Completed a course in SQL. with a certificate from LinkedIn Learning.
  - Completed a course in AWS with a certificate from LinkedIn Learning.
  - Completed the course Mindful Communication, with a certificate from LinkedIn Learning
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### EDUCATION:

Bansal College of Engineering, Bhopal

B.TECH in Civil Engineering (Jul 2018 - May 2022)