

# ASHA RANI GOUDA

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## SUMMARY

Enthusiastic Python Full Stack Developer with knowledge of Django, Flask, and MySQL. Skilled in web development, REST APIs, and database management. Eager to apply technical skills and grow in a collaborative development environment.

## SKILLS

**Programming and Querying:** Python, MySQL, MongoDB

**Frameworks:** Django, Flask

**Frontend:** HTML, CSS, JavaScript (ES6+), Angular

**API and Tools:** REST API, Git, Pandas, NumPy

**Concepts:** OOP, MVC, Authentication, Agile

## PROJECTS

- **Gym Website** — Flask, Tailwind CSS, HTML, MySQL

- Developed a dynamic gym website with homepage, membership plans, and secure sign-in system.
- Used Flask for backend routing and MySQL for storing user and membership information.
- Designed and styled the UI with Tailwind CSS for responsive layouts and seamless experience.
- Implemented form validation, authentication, and error handling for secure user flow.
- Added admin dashboards to track user registrations and membership analytics.
- Improved load time by 25% through optimized queries and lightweight templates.
- Deployed locally and tested for responsiveness, performance, and data accuracy.

- **Hospital Management System** — Django, MySQL

- Built a hospital management web app supporting doctor, patient, and admin modules.
- Designed role-based authentication using Django's built-in user management system.
- Implemented CRUD operations via Django ORM with optimized relational models.
- Integrated appointment scheduling and email notifications for confirmations.
- Created a responsive Bootstrap-based interface for easy navigation and data entry.
- Enhanced backend efficiency by reducing redundant queries and improving ORM performance.
- Conducted unit tests and debugging sessions ensuring reliability and smooth operation.

- **Exploratory Data Analysis on Google Play Store Apps** — Python, Pandas, NumPy, Matplotlib

- Collected and cleaned Google Play Store dataset for in-depth analysis and visualization.
- Used Pandas and NumPy to preprocess data, handle missing values, and detect outliers.
- Conducted statistical analysis to identify trends in app ratings, installs, and categories.
- Created heatmaps, scatter plots, and bar charts to illustrate performance correlations.
- Identified top-performing categories contributing to higher user engagement.
- Automated data cleaning tasks using reusable Python functions to save analysis time.
- Compiled insights into visual reports to support data-driven decision-making.

## EDUCATION

**Khemundi Degree College, Odisha**

Bachelor of Science (Physics Hons)

CGPA: 7.1 / 10

2023