Prabhat Kumar Panigrahy

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Bengaluru, India

Profile Summary

Enthusiastic and detail-oriented Python Developer with hands-on experience in Python, MySQL, RESTful APIs, and Django. Proficient in SQL, HTML, CSS with a solid understanding of backend development, database design, and web application deployment. Looking for an entry-level position where I can apply my technical skills to build scalable web solutions and contribute to innovative projects within a growth-oriented organization.

Education

- **Vignan Institute of Technology and Management** *Nov 2021 - June 2025*
  Bachelor of Technology(B.Tech) in Computer Science and Engineering (CSE) Berhampur, India
  - CGPA: 7.31/10.00
- **Binayakacharya Higher Secondary College** *May 2021*
  Intermediate Berhampur, India
  - Grade: 70.8 %
- **Saraswati Sishu Mandir** *Apr 2019*
  Matriculation Berhampur, India
  - Grade: 72.16 %

Skills

- **Programming Languages:** Python
- **Web Technologies:** HTML5, CSS3, Bootstrap, JavaScript
- **Database Systems:** SQL (Oracle), SQLite3, MySQL
- **Frameworks:** Django, Flask
- **API:** REST API
- **Other Tools & Technologies:** Git, GitHub, Visual Studio, PyCharm (Code Editor)

Experience

- **PySpider** *Jan 2025 - Nov 2025*
  Python Developer Intern Bangalore, India
  - Worked as a Python Developer Intern on real-time web development projects, gaining hands-on experience in backend and API integration.
  - Designed and developed RESTful APIs using Flask and Django to handle data exchange between frontend and backend systems.
  - Integrated MySQL databases for dynamic data storage, retrieval, and management.
  - Built responsive web pages using HTML, CSS, and JavaScript to enhance user interaction and visual appeal.
  - Collaborated with the team to optimize API performance and ensure secure data handling.
  - Implemented CRUD operations, user authentication, and dashboard analytics for internal tools.
  - Utilized Git and Postman for version control and API testing during the development cycle.
  - Enhanced debugging efficiency and code readability by following clean coding practices and PEP8 standards.
- **OCTANET Services Pvt. Ltd.** *Jan 2024 - Feb 2024*
  Python Intern Bhubaneswar, India
  - Worked on developing dynamic web applications using Python, Django, MySQL, HTML, CSS, JavaScript.
  - Designed interactive dashboards to display real-time analytics and insights from databases.
  - Implemented RESTful APIs in Django for efficient data handling and communication between frontend and backend.
  - Utilized Google Charts and Pandas for data visualization and analysis, improving reporting efficiency by 40%.
  - Built reusable Django templates and modular views to ensure scalability and maintainability of code.
  - Integrated MySQL for efficient data management and optimized SQL queries for faster performance.
  - Collaborated with the development team using Git and GitHub for version control and workflow management.
  - Followed clean coding practices and adhered to PEP 8 standards for readability and maintainability.

PROJECTS

- **Data Visualization Dashboard** *Jan 2024 - Feb 2024*

  Python, Django, MySQL, HTML, CSS, JavaScript, REST API

  - Developed an interactive dashboard to visualize real-time analytics and performance metrics from structured MySQL data.
  - Implemented RESTful APIs in Django to enable seamless communication between the backend and frontend modules.
  - Utilized Google Charts and Pandas for interactive data visualization, improving analytical efficiency by 35%.
  - Built responsive and user-friendly web interfaces using HTML, CSS, and JavaScript for cross-device compatibility.
  - Applied data cleaning, transformation, and aggregation techniques using NumPy and Pandas for accurate reporting.
  - Designed database models in Django ORM and optimized SQL queries for improved performance and scalability.
  - Integrated dynamic filters and search functionalities to allow users to view customized datasets and visual reports.
  - Collaborated using Git and GitHub for version control and code management throughout the project lifecycle.
  - Followed clean coding practices, modular design principles, and PEP8 standards to ensure maintainability.
  - Deployed the application on a local server for demonstration, showcasing full-stack development and integration skills.

- **Student Management System** *Mar 2025 - May 2025*

  Python, Flask, MySQL, HTML, CSS, JavaScript

  - Developed a full-stack Student Management System using Flask and MySQL to manage student records, attendance, and performance efficiently.
  - Designed and implemented secure CRUD operations (Create, Read, Update, Delete) for handling student data through Flask routes and MySQL integration.
  - Built a responsive and intuitive user interface using HTML, CSS, and JavaScript to enhance usability across devices.
  - Utilized GitHub Copilot to accelerate development and improve code quality through intelligent code suggestions.
  - Integrated form validation, error handling, and authentication mechanisms to ensure data integrity and security.
  - Designed normalized MySQL database schemas and optimized queries to improve response time by 30%.
  - Applied modular programming principles to maintain clean, scalable, and reusable code.
  - Collaborated using Git and GitHub for version control, testing, and project updates.
  - Conducted unit testing and debugging to ensure high application reliability before deployment.
  - Deployed the Flask application locally to demonstrate end-to-end functionality and backend connectivity.

- **Weather Forecast Web Application** *May 2025 - Sep 2025*

  Python, Django, SQL, HTML, CSS, JavaScript, REST API, API Keys

  - Developed a dynamic Weather Forecast Web Application using Django and REST APIs to display real-time weather data from external sources.
  - Integrated third-party Weather API Keys to fetch live temperature, humidity, wind speed, and condition updates.
  - Designed responsive user interfaces using HTML, CSS, and JavaScript for an interactive user experience.
  - Implemented backend logic in Python to handle API requests, parse JSON responses, and store key data in SQL databases.
  - Utilized asynchronous API calls to improve application speed and reduce response time by 25%.
  - Created robust error-handling mechanisms to manage invalid inputs and API request failures gracefully.
  - Added dynamic search functionality to retrieve weather details for multiple cities efficiently.
  - Applied modular programming techniques and Django templates for reusable and scalable design.
  - Followed clean coding standards (PEP8) and used GitHub for version control and collaborative development.
  - Deployed the project locally for demonstration, showcasing full-stack integration and API-based development.