Subhadip Ghosh

Backend Developer

+91 7679869273

connect@subhadipghosh.co.in

GitHub: github.com/subhadotcom | LinkedIn: linkedin.com/in/subhadotcom

Medinipur, West Bengal

PROFESSIONAL SUMMARY

Motivated Backend Developer with a solid foundation in core Python, data structures, and web development using Django/Flask. Quick learner with hands-on project experience in building REST APIs and database-driven applications. Eager to contribute to real-world software development in a collaborative environment.

EDUCATION

Seacom Engineering College	**BTech in Electronics and Communication Engineering** | CGPA: 6.7	Aug 2022 – Jul 2025
Contai Polytechnic	**Diploma in Electronics and Telecommunication Engineering** | CGPA:7.8	Aug 2018 – Jul 2021
Chandur High School	**Secondary Education (10th)** | Percentage: 76	Jun 2018

TECHNICAL SKILLS

Languages: Python, SQL, HTML, CSS

Frameworks: Django, NumPy, Pandas, Matplotlib, Seaborn, Streamlit, Plotly

Others: Git, GitHub, Docker

CERTIFICATIONS

- Introduction to Python from Coding Ninjas.
- Database Management System from Coding Ninjas.
- Operating System management from Coding Ninjas.

Experience

Data Associate | Infotact Solutions Aug 2025 – Nov 2025

- Collaborate with team members to build backend systems and automation tools using Python programming.
- Write clean, modular, and reusable Python code for applications, scripts, APIs, and data processing tasks.
- Integrate Python with databases, web frameworks, and third-party services as required by project scope.
- Debug, test, and troubleshoot code to ensure software stability, security, and optimal performance.
- Participate in regular code reviews and incorporate feedback to maintain high coding standards.

PROJECTS

Project 1 | Stock Analysis Jul 2024 – Sep 2024

- Developed an interactive financial data visualization tool using Streamlit for real-time stock market analysis.
- Integrated Yahoo Finance API via yfinance to fetch live and historical stock data without requiring an API key.
- Built responsive and interactive charts using Plotly to enhance data insight and user engagement.
- Implemented data processing pipelines with Pandas and NumPy to analyze and display financial metrics.

Project 2 | Weather Data Analysis Oct 2024 – Feb 2025

- Built a modular weather data analysis application using Streamlit to visualize and analyze temperature patterns.
- Developed a core analytics module that classifies days as hot, cold, or normal based on configurable thresholds.
- Created interactive data visualizations using Plotly, including time series graphs and statistical distribution charts.
- Enabled session state management to cache and reuse processed data for better performance and user experience.

Project 3 | Data Analyzer Mar 2025 – Jun 2025

- Built a web-based Exploratory Data Analysis (EDA) application using Streamlit, enabling users to analyze datasets without writing code.
- Implemented data preprocessing modules to handle missing values, detect data types, and summarize datasets using Pandas and NumPy.
- Created dynamic visualization utilities (histograms, boxplots, scatter plots, correlation heatmaps) using Matplotlib and Seaborn.
- Automated statistical analysis features including mean, median, standard deviation, and correlation metrics via SciPy.

Project 4 | Events Management Platform Nov 2025 – Jan 2026

- Built a production-ready Events Platform backend using Django REST Framework with JWT authentication and OTP-based email verification.
- Implemented role-based access control (Seeker/Facilitator) with secure ownership validation for all event operations.
- Designed scalable event search and enrollment workflows with PostgreSQL indexing and capacity handling.
- Integrated Celery and Redis for asynchronous email notifications and scheduled reminders.
- Deployed with Docker, PostgreSQL, Gunicorn documentation for production readiness.