PANKAJ BHATTACHARJEE

Mobile No : 9564287282   EmailId:pankajbhattacharjee634@gmail.com   Adress : Kolkata   DOB : 07-11-2005

Linkedin : https://www.linkedin.com/in/pankaj-bhattacharjee-475b86325   GitHub : https://github.com/pankajbhattacharjee

Detail-oriented Software Engineer with hands-on experience in Python development, backend systems, and machine learning. Proven track record in designing scalable applications, optimizing APIs and databases, and mentoring junior developers. Enthusiastic teamplayer withapassion for continuous learning, AI/ML applications, and solving complex problems.

Professional Summary

Detail-oriented PythonDeveloper withpractical experience in backend development, AI/ML solutions, and real-time data applications. Proven track record of delivering AI-powered tools for urban analytics and safety systems. Strong skills in API design, database optimization, and problem-solving. Passionate about building scalable, data-driven solutions in fast-paced startup environments.

Education

B.Tech in Computer Science & Engineering
BRAINWARE UNIVERSITY
(2023-2027)[CGPA : 6.48]

Higher Secondary Education (WBCHSE) (XII)
KASHIRAM DAS INSTITUTION
(2022-2023)[Percentage : 57.40]

Secondary Education (WBBSE) (X)
BAZAR BANKAPASI SM HIGH SCHOOL
(2020-2021)[Percentage : 78.57]

Achievements

Solved 200+ Data Structures and Algorithms problems on platforms like LeetCode and Codeforces, covering recursion, dynamic programming, and graph algorithms.

CERTIFICATIONS

Python & MachineLearning – Nestle e-Learning (2025)
Power BI (2024)

Completed Deloitte Cyber Security Job Simulation on Forage (July 2025)

Completed Deloitte Data Analytics Job Simulation on Forage (July 2025)

Artificial Intelligence – Infosys Springboard (2025)

TATA Data Visualisation -

EmpoweringBusinesswithEffective Insights Forage July 2025

TATA Data Visualisation -
Empowering Business with Effective Insights — Forage, July 2025

AWS Solutions Architecture Job Simulation — Forage (July 2025)

Projects

Urban Planning Assistant
Developed a Python-based AI tool leveraging satellite imagery and YOLO/SSIM models to detect urban changes like illegal construction and vegetation loss, achieving over 85% accuracy in test scenarios for smart city planning.
SafePulse
A women's safety application integrating real-time stress detection, crowd analysis, and emergency alerts using AI and Python. Features include an AI-powered walk companion and crowd safety monitoring.

Soft Skills

- Problem-solvinGg
- Analytical Skills
- Communication
- Leadership
- Adaptability Time
- Management
- Teamwork Dedication
- Learning Ability
- Attention to detail

Technical Skills

Languages: Python, Java, C
Frameworks/Tools: MySQL, Power BI, GitHub, REST API
AI/ML: Machine Learning, YOLO, SSIM
Others: Web Development, Cybersecurity

Core Competencies

Software Development
Database Management
Problem-Solving Technical
Proficiency Collaboration
and Teamwork

Hobbies

Travel , Puzzles , Music

Languages

Bengali, English, Hindi