NISHTA

New Delhi, India

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EDUCATION

Bhagwan Parshuram Institute Of Technology   **2022 - 2026**

Bachelor of Technology in Information Technology Engineering   Delhi, India

EXPERIENCES

Intern at **Skilancer Solar Pvt. Ltd.**   **Jun'25- Present**
- Developed scalable Flask backend for a core module with clean, modular API architecture.
- Integrated 15+ REST APIs into Flask, increasing feature coverage by 37%.
- Used Gradle for Kotlin-Flask linkage, reducing Android build conflicts by 85%.
- Improved backend performance by 42% through architecture optimization and efficient routing.
- Connected Flask APIs to 3+ Android services with secure, token-based data exchange.
- Resolved 19+ API bugs using structured Flask exception handling and logging.
- Designed secure token-based login system with 22% faster response and AWS-hosted deployment.

Trainee at **India Meteorological Department, Government of India**   **Jul'24- Sep'24**
- Automated Automated rainfall data analysis using Python with a PyQt5-based graphical user interface.
- Utilized Pandas and NumPy to manipulate Excel files and compute rainfall deviations.
- Implemented robust error handling and progress tracking for accurate and efficient data processing.
- Designed intuitive UI components to enhance user experience and streamline workflow operations.
- Created well-formatted Excel outputs and documented the project for future scalability and maintenance.

PROJECTS

Market Volatility Analysis Tool | *Python, Pandas, Matplotlib, NumPy, Flask* |
- Developed Developed a Python-based tool to analyze and visualize market volatility trends using financial data.
- Integrated Flask for a responsive web interface enabling real-time data input and trend analysis.
- Used Pandas and NumPy to compute key indicators like volatility, averages, and return fluctuations.
- Designed dynamic graphs with Matplotlib to clearly communicate market insights and risks.

Rainfall data processing software | *Python, PyQt5, Pandas, NumPy, Excel* |
- Built Built a PyQt5-based application to streamline rainfall data handling with an intuitive user interface.
- Automated deviation calculations using Pandas and NumPy for accurate and consistent rainfall analysis.
- Generated structured Excel reports with district-wise and deviation-normal breakdowns.
- Implemented robust error handling and file tracking for smooth and reliable data processing.

ROLES AND RESPONSIBILITIES

Vice President of the Literary Society, Kalam, BPIT

I led the literary society to organize various events that promoted literature and creative writing, actively engaging students and encouraging participation. I took charge of planning and coordinating events, ensuring smooth execution and fostering teamwork. Additionally, I mentored team members, enhancing their skills and contributing to the society's growth and success.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, Java
Web Development: HTML, CSS, ReactJS, ExpressJS, Django, NodeJS
Database Management: MySQL, MongoDB
Tools & Frameworks: Git, GitHub, Firebase, Redux, Pandas, NumPy, Matplotlib, Flask, PyQt5, amazon aws
Software Development: Data Structures and Algorithms, Object-Oriented Programming (OOP), Software Engineering
Core Computer Science: Operating Systems, Database Management Systems (DBMS)
Other Skills: RESTful API development, Agile Methodologies, Debugging and Code Optimization

SOFT SKILLS

Communication: Effective communication with team members and senior members.
Leadership: Taking initiative and mentoring juniors.
Attention to Detail: Ensuring code quality and user experience.
Teamwork: Collaboration with cross-functional teams in an agile environment.