

Suhail Siddiqui

Rae Bareli | suhailsiddiqui1530@gmail.com | +91 7311135785 | Portfolio | LinkedIn | GitHub

Education

Integral University, Lucknow — B.Tech CSE (DS & AI, IBM), CGPA: 7.2	2021 – 2025
St. Peter's School, Raebareli — Intermediate (PCM + CS), 80%	2020 – 2021
St. Peter's School, Raebareli — High School (Science), 68.3%	2018 – 2019

Experience

Full Stack Python Developer , Natlov Technologies Pvt. Ltd. — Jharkhand	Jul 2025 – Present
• Managed and supported Columbia University's website, resolving GitLab tickets and implementing enhancements.	
• Delivered bug fixes, feature updates, and provided ongoing technical support.	
Python Django Developer , Skyview Smart Solutions — Lucknow	Dec 2024 – May 2025
• Built secure backend systems using Django, DRF, JWT authentication, and role-based access.	
• Developed REST APIs with validation, testing, and error handling.	
• Implemented real-time Virtual Try-On using WebSockets (Socket.IO) and QR-based device pairing.	
• Integrated AI camera capture and overlay features; handled IIS deployment (ASGI/WSGI).	
Python Django Intern , Skyview Smart Solutions — Lucknow	Jan 2024 – Jun 2024
• Developed backend for IoT-based smart farming with real-time sensor data processing.	
• Designed automation logic, REST APIs, and role-based dashboards.	
• Optimized database performance and built data visualizations using Chart.js.	

Publications

Behavioral Nudges and Predictive Analytics: Enhancing Energy Conservation Through IoT-Enabled Smart Metering	2025
Authors: <i>Suhail Siddiqui, Mohd Faraz Kalim, Saleha Mariyam</i>	
Venue: ICBDAIT 2025, Andaman and Nicobar, India	
Type: Conference presentation	

Projects

Smart Meter	GitHub
Real-time energy monitoring system using Python, Django, and IoT .	
• Integrated Arduino/ESP8266 sensors (ZMCT101C, ZMPT103B) for live energy data ingestion.	
• Built data pipeline using Firebase and MongoDB with synchronized voltage–current power calculations.	
• Developed RBAC dashboard with Tailwind CSS and JS-based visualizations.	
Tech: Python, Django, Firebase, MongoDB, ESP8266, Arduino, Tailwind CSS	
College Management System	GitHub
Role-based academic management platform built with Django .	
• Implemented portals for HOD, teachers, and students with authentication and session handling.	
• Managed attendance, grading, and academic workflows with automated migrations.	
Tech: Python, Django, SQLite, HTML, CSS, JavaScript, Bootstrap	
To-Do List Web App	GitHub
Lightweight task management application using Django .	
• Implemented CRUD operations with Django ORM and responsive UI using Bootstrap.	
Tech: Python, Django, Bootstrap	

Technical Skills

- **Languages:** Python, Java (Basic), C (Basic)
- **Backend:** Django, DRF, Socket.IO, SQLite, MongoDB, MySQL, Firebase
- **Frontend:** HTML, CSS, Tailwind, Bootstrap, jQuery, Chart.js

- **Tools & Deploy:** Git, GitHub, GitLab, IIS, ASGI, WSGI, VS Code

Certifications

- **Experience Letter (5 months)** — Skyview Smart Solutions
- **Internship Letter (3 + 5 months)** — Skyview (3 months), Skyview (5 months)
- **Letter of Appreciation (1 year)** — Integral University
- **Postman API Fundamentals — Student Expert** — Postman
- **Industry 4.0 & Industrial IoT** — NPTEL (SWAYAM)
- **Introduction to Internet of Things (IoT)** — NPTEL (SWAYAM)
- **Web Development with Python** — Softlew Technologies
- **Cybersecurity Fundamentals** — IBM SkillsBuild
- **Cloud Computing Fundamentals** — IBM SkillsBuild
- **IBM Cognos Analytics Reporting Essentials** — IBM SkillsBuild
- **Rapid Development for AI** — IBM SkillsBuild

Languages

- **English** — Intermediate
- **Hindi** — Native
- **Urdu** — Fluent