

# Suhail Siddiqui

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

## Education

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

## Experience

<b>Full Stack Python Developer</b> , Natlov Technologies Pvt. Ltd. — Jharkhand	Jul 2025 – Present
<ul style="list-style-type: none"><li>Managed and supported Columbia University's website, resolving GitLab tickets and implementing enhancements.</li><li>Delivered bug fixes, feature updates, and provided ongoing technical support.</li></ul>	
<b>Python Django Developer</b> , Skyview Smart Solutions — Lucknow	Dec 2024 – May 2025
<ul style="list-style-type: none"><li>Built secure backend systems using Django, DRF, JWT authentication, and role-based access.</li><li>Developed REST APIs with validation, testing, and error handling.</li><li>Implemented real-time Virtual Try-On using WebSockets (Socket.IO) and QR-based device pairing.</li><li>Integrated AI camera capture and overlay features; handled IIS deployment (ASGI/WSGI).</li></ul>	
<b>Python Django Intern</b> , Skyview Smart Solutions — Lucknow	Jan 2024 – Jun 2024
<ul style="list-style-type: none"><li>Developed backend for IoT-based smart farming with real-time sensor data processing.</li><li>Designed automation logic, REST APIs, and role-based dashboards.</li><li>Optimized database performance and built data visualizations using Chart.js.</li></ul>	

## Publications

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

## Projects

<b>Smart Meter</b>	GitHub
Real-time energy monitoring system using <b>Python</b> , <b>Django</b> , and <b>IoT</b> .	
<ul style="list-style-type: none"><li>Integrated Arduino/ESP8266 sensors (ZMCT101C, ZMPT103B) for live energy data ingestion.</li><li>Built data pipeline using Firebase and MongoDB with synchronized voltage-current power calculations.</li><li>Developed RBAC dashboard with Tailwind CSS and JS-based visualizations.</li></ul>	
<b>Tech:</b> Python, Django, Firebase, MongoDB, ESP8266, Arduino, Tailwind CSS	
<b>College Management System</b>	GitHub
Role-based academic management platform built with <b>Django</b> .	
<ul style="list-style-type: none"><li>Implemented portals for HOD, teachers, and students with authentication and session handling.</li><li>Managed attendance, grading, and academic workflows with automated migrations.</li></ul>	
<b>Tech:</b> Python, Django, SQLite, HTML, CSS, JavaScript, Bootstrap	
<b>To-Do List Web App</b>	GitHub
Lightweight task management application using <b>Django</b> .	
<ul style="list-style-type: none"><li>Implemented CRUD operations with Django ORM and responsive UI using Bootstrap.</li></ul>	
<b>Tech:</b> 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

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- **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

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