

Suman K Nayak

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Profile Summary

Software Engineer specializing in backend development and system architecture, with expertise in Python, Django, SQL, Django REST Framework (DRF) and building scalable web applications. Experienced in designing and developing **intuitive and seamless** web applications with a focus on **performance and user experience**. Skilled in deploying and managing applications on **AWS** and proficient in integrating RESTful APIs and modern frontend technologies. Proven ability to **collaborate effectively** in team environments and troubleshoot technical challenges.

Technical Skills

- Languages:** C, C++, Python, JavaScript
- Frontend:** HTML, CSS, JavaScript, TypeScript, jQuery, React.js, Next.js, Tailwind CSS, Bootstrap
- Backend:** Django, Python, Django REST Framework (DRF), REST APIs
- Database:** MySQL, SQLite
- Cloud & Deployment:** AWS, Nginx, Gunicorn, Render, Docker
- Version Control & Tools:** Git, GitHub, Linux

Projects

Flexcom - E-commerce Platform | [View Website](#) | [GitHub Repository](#) | Dec 2024

- Developed a **dynamic e-commerce platform** with Django, featuring **user authentication (OAuth)**, **product management**, and **order processing**, along with a keyword-based product search using Django's **icontains** lookup.
- Built **login, category, product, cart, order, and checkout pages**, utilizing **jQuery** for smooth user interactions and **SweetAlert & Alertify.js** to enhance UX.
- Integrated **multiple payment gateways**: Cash on Delivery, Razorpay, and PayPal for seamless transactions.
- Tech Stack:** Django, MySQL (AWS RDS), Tailwind CSS, jQuery, Render

BlogSite - An Interactive Blogging Platform | [View Website](#) | [GitHub Repository](#) | Jan 2025

- Built a dynamic blogging platform using Django, leveraging Class-Based Views (CBVs) for authentication (sign-up, sign-in, **OAuth**).
- Utilized Django signals** to automatically create user profiles upon sign-up, allowing users to edit their bio and upload a profile picture, along with a **keyword-based search** using Django's **icontains** lookup.
- Designed a **scalable MySQL (AWS RDS) database** for secure and efficient data storage.
- Tech Stack:** Django, MySQL (AWS RDS), Tailwind CSS, Nginx, Gunicorn, AWS EC2

Divinezon Books API – RESTful Book Data Service | [View Website](#) | Oct 2025

- Developed a scalable **RESTful API** using **Django REST Framework**, providing book data and category endpoints with robust query filters and pagination.

BookHub App – Book Discovery Platform | [View Website](#) | Oct 2025

- Built a responsive **React + TypeScript** app with **Chakra UI**, integrated with **DRF** to explore the **Divinezon Books API**.

Education

Indira Gandhi National Open University | New Delhi, India
Bachelor of Computer Applications | July 2022 - July 2025

Certifications

- Amazon Web Services Course – Scalar** | [View Credentials](#)
- Python Course – Kaggle** | [View Credentials](#)