Niveena K J

PYTHON DEVELOPER

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Ernakulam, Kerala

https://github.com/niveena01

Experience

Software Engineer   March 2024 - Present
Nesa Software Pvt. Ltd.

- **Developed web applications** using **Python** and **Django**, with a focus on **clean architecture**, **efficiency**, and maintainability.
- Built **static websites** and landing pages using **HTML**, **CSS**, **JavaScript**, and the **Bootstrap framework** for **responsive design**.
- Implemented f**orm submissions, data exports**, and **content management** through **Django's admin panel**, ensuring smooth backend operations.
- **Proficient** in **RDBMS**, with hands-on experience in **MySQL** and **SQLite**.
- **Deployed** and managed applications using **AWS services**, including **EC2** for hosting, **S3** for storage, and **SES** for email services.
- **Strong knowledge** of **Object-Oriented Programming (OOP)** concepts and principles.
- Experienced in **system debugging** and **performance optimization** to ensure smooth and efficient application performance.
- Familiar with **project management tools** like **Jira** for task tracking, team collaboration, and project execution.
- **Provided training to interns**, guiding them in Python and Django web development during their internships.
- **Documented** projects and developed **SEO-optimized websites**, enhancing search engine visibility and improving website rankings.

Python Django Intern   July 2023 - December 2023
Avodha Edutech Pvt. Ltd.

- Completed a Python Django internship, gaining hands-on experience in web application development using the Django framework, with a focus on building efficient and scalable web solutions.

Projects

- **Deva Steels Website**: Developed the backend for a leading steel company's website, managing content updates, form submissions, Excel exports, and document downloads through Django's admin panel. Worked closely with the frontend team to ensure seamless feature integration and automated email delivery.

- **Certificate Generation:** Implemented an online and offline certificate generation system for a software training institute, integrating OTP email verification for online course registration and automating certificate generation from LMS API data. For offline courses, enabled student data submission via form or CSV upload, with options to edit, delete, and download certificates. Enhanced the system with search and filter features, zip file downloads, a dashboard to track issued certificates, and QR codes for verification.

Skills

- Python
- Django
- HTML, CSS and JavaScript
- SQLite, MySQL, PostgreSQL (Databases)
- REST Framework
- AWS (EC2, S3, SES)
- Machine Learning
- Git (Version Control)
- Streamlit

Abilities

- Open to learning new skills and acquiring knowledge.
- Good understnding and problem solving skills.
- Confident and optimistic.
- Ability to Work in Groups/as individual.

Academic Projects

- **Fake news detection using machine learning** : Developed a machine learning model using natural language processing and classification algorithms to classify news articles either as genuine or fake.

- **IOT based smart garbage system for a clean city**: Designed and implemented an IoT-based smart garbage system to improve urban waste management.

Education

Msc Computer Science
St. Alberts College(Autonomous), Kochi
Nov 2020 - May 2022

BCA
MGAJAS College, N. Paravur
July 2016 - March 2019