Nikhil Rai

Experienced Website Development Professional skilled in collaborative problem-solving and building robust web applications using a versatile toolkit of technologies. Proven ability to manage multiple projects simultaneously, ensuring successful outcomes aligned with organizational goals.

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## EDUCATION

Bachelor of Technology. Information Technology Jaunpur, U.P, IND | June 2021

Veer Bahadur Singh Purvanchal University

Percentage:70

## SKILLS

* **Languages:** Python, JavaScript.
* **Frameworks:** Django, Django Rest Framework, Vue.js**.**
* **Frontend:** HTML, CSS, Bootstrap, Vuetify.
* **Databases:** MySQL, SQLite, PostgreSQL, MongoDB.
* **Tools**: GitHub, Web Scraping, Celery, REST API, Redis, Nginx, Gunicorn. JWT.
* **Cloud Platforms**: Azure, AWS.
* **Operating Systems**: Linux.

## EXPERIENCE

* Currently Working as a **Software developer** in **Cyber3ra** at IIT Kanpur, Uttar Pradesh from 5 Nov 2022 to till date.
* Currently Working as a **Full-stack Engineer** in **Persius** at Remotely, from 1 July 2023 to till date.
* Worked as a **Noc Developer** in **Bharti Airtel Pvt. Ltd.** at Gurugram, Haryana, from 30 Nov 2021 to 1 Nov 2022.

## PROJECT

* **Teach Edison (Bookstore REST API):** [**link**](https://github.com/nikhilrai-tech/TeachEdison)

Engineered a resilient REST API for a bookstore, showcasing adeptness in Django and bringing to life essential functionalities tailored to specific project needs.

**Tech Stack:** Django REST framework, Postman (for API documentation), Python unittest, MySQL, JWT.

**API Endpoints:**

**Retrieve All Books with Filtering and Pagination:**

Implemented an endpoint enabling users to fetch a list of books with filtering options and pagination for enhanced usability.

**Retrieve a Single Book with Related Data:**

Developed an endpoint for retrieving detailed information about a single book, including related data like reviews and author details.

**Create a New Book:**

Implemented an endpoint facilitating the creation of new books, enforcing ISBN uniqueness through validation.

**Update a Book with Transactions:**

Created an endpoint allowing users to update existing book details, utilizing database transactions for data consistency.

**Delete a Book with Soft Deletion:**

Implemented an endpoint for "soft deletion" marking books as inactive without physically removing them from the database. Included a restoration endpoint.

**Advanced Features:**

-Implemented user authentication and authorization using a token-based system.

-Created a dedicated API endpoint for user reviews, enabling users to rate and review books.

-Implemented caching for frequently requested data, enhancing API performance.

**Roles and Responsibilities:**

- Solely designed and implemented the entire application stack, covering backend components.

- Conceptualized, designed, and implemented key features, ensuring alignment with project requirements and objectives.

- Managed and maintained the database, including schema design, optimization, and data manipulation.

* **MeriDukaan (E-commerce Application):** [**link**](https://github.com/nikhilrai-tech/MeriDukaan.git)

Designed and developed a comprehensive e-commerce application facilitating the buying and selling of products and services.

**Tech Stack:** HTML, JS, CSS, Bootstrap, Django, SQLite, Ajax, Razorpay.

**Roles and Responsibilities:**

- Led front-end development, ensuring a responsive and visually appealing design.

- Collaborated on the backend using Django, managing user data and application logic.

- Integrated secure payment solutions for a reliable and trustworthy shopping experience.

* **CC-Yard (API dev):** [**link**](https://github.com/nikhilrai-tech/CC_Yard.git)

Developed a Python Django REST framework with the following functionalities:

**Login API:**( Takes phone number and password, Creates the user if it does not exist, validates credentials and generates the user auth token, Returns the response in JSON format)

**Profile API:(** Takes the user auth token as input in the headers, Returns the user profile information in JSON format**)**

**Logout API:(** Takes the user auth token as input in the headers, logs out, clears all sessions, and token information for the user, Returns the response, Post logout, attempting the profile API should not work**)**

**Tech Stack:** MongoDB, Django REST, PY-mongo.

**Roles and Responsibilities:**

- Implemented using Django Class-Based API Views.

- Utilized MongoDB as the database.

- Employed PY-mongo for making queries instead of the default Django ORM.

* **Cyber3ra (Bug Bounty Platform): [link](https://app.cyber3ra.com/)**

Developed a comprehensive bug bounty platform for Cyber3ra to enhance cybersecurity through crowd-sourced vulnerability identification and reporting. The platform facilitated ethical hacking activities, fostering collaboration between security researchers and the organization.

**Tech Stack:** Vue.js, REST API, Azure, Vuetify, JWT, Razorpay, PostgreSQL.

**Roles and Responsibilities:**

- Led the development team, overseeing coding, testing, and debugging processes.

- Collaborated with cybersecurity experts to align the platform with industry standards.

- Implemented RESTful APIs for seamless communication between the frontend and backend.

* **Persius (Managed Marketplace for Creative Talent):** [**link**](https://dev.persius.in/)

Contributed to the development of Persius, a managed marketplace connecting creative talent with businesses, institutions, and individuals. The platform offers a range of creative experiences, including jobs, gigs for artists, and workshops. Additionally, it provides online courses for individuals seeking to acquire new skills.

**Tech Stack:** HTML, JS, CSS, Bootstrap, Django, Ajax, Celery, Redis, AWS, Razorpay, MySQL.

**Roles and Responsibilities:**

- Engaged in coding and development tasks using HTML, CSS, Bootstrap, and Django.

- Worked on user interface design to enhance the platform's usability.

- Collaborated with the team to implement key features and functionalities.