Tarun

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EDUCATION

Gurugram University — Gurugram
BTech in Computer Science and Engineering (AI) — *September 2020 – July 2024*

Vivek Bharti Sr. Sec. School — Gurugram
Senior Secondary (Percentage: 93.8) — *April 2019 – March 2020*

Vivek Bharti Sr. Sec. School — Gurugram
Secondary (Percentage: 89.4) — *April 2017 – March 2018*

TECHNICAL SKILLS

Languages: Python, C/C++, JavaScript, Java
Frameworks: Django, Django Rest Framework, React.js, Node.js, Express.js, Tailwind
Libraries: Celery, Pandas, NumPy, Matplotlib
Databases: PostgreSQL, MySQL

EXPERIENCE

Python Backend Intern — May 2024 – August 2024
VVDN Technologies PVT. LTD.

– As a Python Backend Intern in the Cloud and Mobile App Department at VVDN Technologies, I played a pivotal role in developing and maintaining backend systems for cloud-based and mobile applications.
– My responsibilities included implementing secure API endpoints with authentication mechanisms, such as login and logout functionalities, to manage admin access and user sessions.
– I designed and managed complex database schemas for CRUD operations, optimizing data retrieval and manipulation processes. Additionally, I utilized Celery for asynchronous task processing to enhance system scalability and performance. Collaborating closely with frontend developers and project managers, I ensured seamless integration between backend services and user interfaces.
– I also contributed to data management solutions by creating and updating data records, applied testing frameworks to maintain code quality, and documented technical processes to facilitate team collaboration and future development.

Software Development Intern — March 2024 – April 2024
InternPixel

– At InternPixel, I served as a Frontend Developer and Designer, leading the creation of the "Techne" website.
– Responsible for both design aesthetics and technical functionality, I crafted visually appealing layouts, implemented responsive design techniques, and collaborated with team members to ensure seamless integration.

PROJECTS

Portfolio Website | *HTML, CSS, JavaScript, React.js*
– Created a Portfolio Website using HTML, CSS and JavaScript. It serves as a platform to introduce myself, share my projects and provide information about my education and certifications.
– Link
– GitHub Repository

PGLife Web Application | *HTML, CSS, JavaScript, React.js, PHP, MySQL*
– PG Life is a full-stack web application that helps users find and book paying guest accommodations. The website is fully responsive and operational from any device.
– It allows users to search for paying guest accommodations in their preferred location, view details about the accommodations, and book them online. Additionally, the website also offers additional services such as food delivery, laundry, and housekeeping.
– GitHub Repository

Inventory Management System | *Django, PostgreSQL, Celery, Redis, RabbitMQ*
– Developed an Inventory Management System using Django and PostgreSQL, aimed at efficiently managing orders, products, and their relationships.
– The system allows for creating, updating, and deleting orders and their associated items, ensuring data consistency and integrity through nested serializers and signals.
– Implemented background task processing with Celery and RabbitMQ, and a secure admin management system with token-based authentication, including login and logout functionality.