AMAN KUMAR THAKUR

Gurugram, Haryana

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Experience

Staqu Technologies Pvt Ltd   **May 2023 - Present**
Junior Software Developer   *Gurugram, Haryana*

- Developed the backend of the Face Recognition Attendance Panel from scratch, incorporating timezone changes for global usability, resulting in an 80% reduction in manual intervention for over 20 clients worldwide.
- Implemented location/organization-based shift-wise changes on the retail panels, resulting in a 55% increase in data-driven decision-making and significant resource savings during non-shift hours.
- Integrated S3 instant retrieval storage for faster video clip access in warehouse management, improving retrieval times by 80%.
- Deployed and Integrated over 10 Models like Age gender, Camera Angle tampering, etc. into main application
- Automated routine tasks with over 20 management commands and scripts, including daily mailers and alert generation, cutting manual workload by 90%.

Staqu Technologies Pvt Ltd   **May 2023 - August 2023**
Backend Intern   *Gurugram, Haryana*

- Optimized annotation workflows with FiftyOne and CVAT, reducing manual efforts and improving data management efficiency by 30%.
- Revamped and optimized backend APIs for the audit report panel, addressing 404 errors caused by lengthy query params, and refining queries to enhance efficiency and performance by 75% .
- Assisted in code cleaning by resolving all the blocker, critical, and major issues of Sonarqube, Improving overall code quality by 70%.
- Developed backend for a centralized licensing system, reducing unauthorized access incidents by 60% and securing over 20 machine learning models.

IIPC KIET   **May 2020 - June 2020**
Summer Intern   *Remote*

- Developed a Django-based Library Management System, significantly improving operational efficiency and enhancing security through robust password generation and authentication features.
- Integrated with MySQL for efficient data management, enhancing user experience with real-time book tracking capabilities.

Technical Skills

Languages: Python, Java
Frontend: HTML5, CSS3, JavaScript
Backend: Django, Django REST Framework, FastAPI
Database: MYSQL, PostgreSQL, Object Relational Mapping(ORM), and Redis
Technologies/Tools: Linux, Docker, Celery, Bootstrap, GitHub, Git, Gitlab

Projects

KhataBook | *HTML5, CSS3, Javascript, Django, Postgresql, Ajax*   **Sept 2021 - Oct 2021**

- Developed a web application to manage income and expenses using Django Framework, improving financial tracking efficiency by 60%.
- Implemented Ajax-based user registration and validation, enabling seamless CRUD operations for expenses and income records with pagination and search functionalities.

OnGo | *HTML5, CSS3, Javascript, Python, Django, Bootstrap4, Mysql*   **June 2020 - July 2020**

- Created a high-performance static website for quick and easy access to movie downloads, achieving a 60% increase in user engagement due to the fast and responsive design.
- Employed web scraping automation using Python libraries such as BeautifulSoup and Requests to gather movie data from multiple reliable sources, ensuring up-to-date and accurate information.
- Enhanced website aesthetics and user experience with Bootstrap4, ensuring compatibility across various devices and screen sizes, leading to a 70% increase in user satisfaction.

Education

KIET Group of Institutions   **Aug 2019 – July 2023**
*BTech in Computer Science and Engineering, **CGPA-8/10***   *Ghaziabad*

Relevant Coursework: Data Structures and Algorithms, Database Management System, Object Oriented Programming

Achievements / Extracurricular

- **1st/5346** position in KICCS-D-HACK21.3
- **157th/24196** Global rank in Feb long-II on CodeChef
- **4677th** rank in AICTE IICC'22
- **5265th** rank in Google Kickstart 2022
- **5 Stars** in Python on Hackerrank, **Expert (max 1714)** on Codeforces, **1500+ ratings** on CodeChef.
- Solved **500+** coding problems on LeetCode; Solved **1300+** problems across various coding platforms.

Coding Profiles

- **Leetcode: amant0203**
- **Codeforces: RED_CODER_**
- **Codechef: amant0203**
- **Hackerrank: amant0203**