UTKARSH BAJPAI

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Programming Languages - Python, NodeJS, Golang, Javascript, PHP, C, C++, Shell scripting

WORK EXPERIENCE

Software engineer at Cedcoss Technologies   **January 2022 - Present**

- Successfully integrated **10+** major e-commerce platforms, including Amazon and Shopify using RESTful and GraphQL API's resulting in improved user experience and increased sales metrics.
- Improved application performance by implementing hashing and normalization techniques to optimize the company's schema, leading to a **20% decrease** in query times.
- Employed AWS services to create fault-tolerant, serverless solutions, maximizing resource efficiency and leveraging cloud architecture for a **10% increase** in scalability and uptime.
- Implemented webhooks to enable near real-time updates of user data across systems. Enhanced data synchronization and system interoperability, achieving synchronization within **2 minutes**.
- Developed a user authorization system utilizing the **OAuth,** ensuring secure user authenticating resulting in increase of new users by **5%**
- Created python scripts to enhance log monitoring using **Pandas** library, automating error detection and reducing manual monitoring efforts by **100%.**
- Worked in **8+ projects** from scratch to deployment ensuring successful launches.

PERSONAL PROJECTS

- **Multiplayer Stats** - Created a scalable backend system using **Golang**, **Fiber**, **MongoDB** and **Redis**. This system enables users to find the most popular game in their area, facilitating increase in **active** users.
- **Jira Time Tracking Tool -** Built a **Python**-based Tool using **FastAPI** and **React**. This tool integrates with the Jira API to retrieve task time tracking data, improving task management efficiency by **2 times.**
- **Face Mask Recognition -** Designed a face mask recognition tool using **TensorFlow** and **Keras**, enhancing safety protocols by accurately detecting mask usage in real-time with a **95%** accuracy rate.
- **Hand Gesture Recognition -** Crafted a recognition tool with **Django**, **OpenCV**, **CNN** and **Postgres**, assisting disabled individuals by interpreting and responding to hand signs, improving communication.

TECHNICAL SKILLS

- **Databases** - MongoDB, MySQL and Postgres
- **Frameworks** - Django, fastAPI, Fibre, express, laravel, phalcon
- **Tools** - Aws, Github, Jira, Postman, Docker
- **Operating Systems** - Linux (Ubuntu)
- **Cloud Platfforms** - AWS
- **Networking** - TCP/IP, DNS, VPN
- **CI / CD** - Jenkins, Gitlab

ACHIEVEMENTS & CERTIFICATES

- Solved Over **400+** Questions on **Leetcode**   leetcode.com/u/AvaTar_SaiYan
- **Machine Learning / AI**   github.com/AVATAR-SAIYAN-27/Certificates/tree/main/AI_ML
- **Database**   github.com/AVATAR-SAIYAN-27/Certificates/tree/main/Databases
- **Unreal Engine C++**   github.com/AVATAR-SAIYAN-27/Certificates/tree/main/Coursera/Game Development

EDUCATION

- **University of Lucknow | Bachelor of Technology In Computer Science & Engineering | 2018 - 2022**