Manish Devkota

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EDUCATION

Delhi Technological University	2018 - 2022
Electronic and Communication Engineering	*CGPA: 8/10*
D.T.E.A Sr. Sec. School	2016 - 2017
	CGPA: 85.6/100

SKILLS

Languages: C/C++, Python, SQL, RubyOnRails
Framework/Tools: Git/GitHub, Django, Celery, DRF,websocket, Docker, AWS(EB,EC2,S3,RDS,ECR,ECS), Numpy, MysqlRedis, Scikit-Learn

EXPERIENCE

ADVANTAGE CLUB | *Backend Developer*   Jun. 2022 – Present

- Created an **onboarding platform** from the ground up, utilizing the **Django** framework, capable of accommodating over 500,000 users.
- Created **organization chart** module for corporates using **Graph data structure and DFS algorithm** for hierarchy retrieval. Implemented features like department hierarchy, locate me and utilized **Redis** for **caching** output, optimizing performance
- Developed and deployed a custom **middleware** solution to enable real-time **error monitoring** via Slack integration. Leveraged the **django-slack** library to seamlessly connect error notifications to **Slack channels.** This initiative markedly streamlined the development cycle, facilitating prompt identification and resolution of errors.
- Created a real time c**hatting application** in the onboarding platform using **Django-channel** and **Daphne ASGI server**
- Used **Django Signals** to automate the assignment of onboarding journeys to candidates and configured **Celery** and **Celery Beat** in production to execute tasks for assigning journeys in the background at particular times.
- implemented a streamlined **development pipeline** for an onboarding platform, integrating **GitHub** for version control, **Docker** for containerization, and managing deployments with Amazon **ECR** and **ECS**.
- Integrated 100+ **vendors** third party apis for offer listing and coupon generation into our platform. which generated a revenue close to **10 cr**.
- Optimized reward and appreciation nomination flow using **caching** mechanisms (**Redis**) for 2 million users
- Implemented a user creation and updation module in our platform by utilizing **SFTP** and integrating **third-party APIs** of HRMS (such as **ZingHR, PeopleStrong, and Bamboo HR**). Utilized **Sidekiq** to schedule this module to run at a particular time.

ALGOJI | *Quant Developer*   June 2021 -Aug 2021
Algorithmic trading—Quant Developer

- **Automated trading strategies** in **Python**, xlwings, and Excel, integrating with API Bridge and broker APIs (e.g., kiteconnect, fyers)
- Managed diverse strategies, achieving a 20% increase in trading efficiency and profitability through backtests on 2-3 years of **stock price data and algorithm optimization**

PROJECTS

Optimized EV charging ecosystem using machine learning | *Python, Numpy, Sklearn, Pandas* Jan 2022 - Mar 2022
- Applied **K-means clustering** and fuzzy clustering methods to determine optimal charging station locations based on spatial coordinates of malls, showrooms, and cinema halls.
- Employed advanced algorithms to find the most efficient routes to the nearest charging stations, minimizing travel time for EV users