Aditya **Kaushik**

SOFTWARE DEVELOPER

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Summary

Aditya is a seasoned Data Scientist and Architect with 4.5 years of software development expertise, including 3 years specialising in data science. Proficient in Python, he excels in system design, AWS infrastructure as code, NLP, and real-time search. Aditya's prowess extends to building software that works and complemented by API development skills. Adept at crafting clean, efficient code, he epitomizes a holistic understanding of software engineering and AI-driven solutions.

Work Experience

TaskHuman
DATASCIENTIST AND ARCHITECT   *Jaipur, India*
                                                               June. 2022 - Present

- Orchestrated end-to-end system architecture for Data Science, leveraging ECS deployment with dynamic API-driven scaling capabilities.
- Wrote custom scripts which automates all the mundane tasks bringing DevOps to all team mates
- Engineered and launched a recommendation system to production, elevating user engagement by powering the application's homepage.

TaskHuman
DATA SCIENTIST   *Jaipur, India*
                                                               Feb. 2021 - June. 2022

- Solely Developed a proprietary in-house Python library fueling internal product APIs.
- Engineered semantic search utilizing sentence embeddings, delivering highly optimal user query results.
- Containerized entire existing codebase using Docker, enhancing system stability through real-time logging and alerting implementation.

NeuroEquilibrium
MACHINE LEARNING ENGINEER – FULL-TIME   *Jaipur, India*
                                                               Feb. 2020 - Jan. 2021

- Led the conception and implementation of a Gait Test utilizing Facebook's Detectron2 model, contributing to the early identification of neurological disorders.
- Developed a serverless backend on Google Cloud Platform (GCP) that seamlessly integrates with a JSP frontend.
- Developed a proof of concept for marker-less tracking of human gait using Computer Vision

Celebal Technologies
ASSOCIATE DATA SCIENTIST   *Jaipur, India*
                                                               Sep. 2018 - Jan. 2020

- Architected and executed a Deep Learning model pipeline for precise car part identification and damage classification, leveraging YOLO Object Detection
- Developed an MNC Human Resource Dashboard to proactively identify potential attrition cases, enhancing HR's ability to retain valuable talent through data-driven insights and strategic interventions.

Projects

Eye Detection and Tracking

- Track pupil and captures blinking of eye accurately via Contour estimation in videos recorded by test instruments
- Automated whole process and requires zero manual intervention

Receipt Digitisation

- Efficiently converted specialized invoice images into Excel format using a custom algorithm combining OCR and Deep Learning techniques for seamless digitization.

Achievements

Publisher in Data Driven Investor, HackerNoon

Infosys certified software programmer

Linux Foundation Diversity 2018 Scholarship, Edinburgh, Scotland

Skills

DevOps (AWS/GCP)	Serverless, PubSub, API Gateway, ECS, Docker
Programming Languages	Python, C, Bash
DataScience Libraries	PyTorch, OpenCV, Numpy, Pandas, Matplotlib, plotly
Frameworks & Libraries	FastAPI, boto3, cdk, PyQt5, Dash, SKLearn, Jupyter, Flask, SQL, MongoDB, Git