

# 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

Jaipur, India

DATA SCIENTIST AND ARCHITECT

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

Jaipur, India

DATA SCIENTIST

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

Jaipur, India

MACHINE LEARNING ENGINEER - FULL-TIME

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

Jaipur, India

ASSOCIATE DATA SCIENTIST

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