

KAIRAV PITHADIA

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EDUCATION

School of Engineering and Applied Science, Ahmedabad University
B.Tech Information and Communication Technology - CGPA - 3.00/4.00

Aug, 2016 – June, 2020

Ahmedabad, India

H.B Kapadia New High School

HSC - Science Stream - Percentage - 77.84%

Aug, 2014 – May, 2016

Ahmedabad, India

SKILLS

Backend	DevOps	ML Tools	Database
NodeJS, NestJS	Terraform, AWS, GCP	Tensorflow, Keras	PostgreSQL, DynamoDB
ExpressJS, FastAPI	GitHub Actions (CI/CD), Docker	OpenCV	Firebase, MongoDB
Django, DRF	NGINX		MySQL

CLIENT PROJECTS

Dashy Dash (Remote) 🌐 | AWS Lambda, FastAPI, DRF, Terraform

Aug, 2021 - Present

- Setup Hybrid Pipeline for Invoice Processor using a combination of AWS Lambda Functions acting as APIs as well as webhooks.
- Updating Public and Private APIs based on DRF and managing deployment using AWS Elastic Beanstalk.
- Managing deployment using Terraform as our IaaS service, and Continuous Integration and Continuous Deployment using GitHub Actions.

Costa Coffee - Storefront Microservices (Remote) | NestJS, TS, GraphQL

July, 2021 - Oct, 2021

- Converted a monolith into Microservices. **Clean Architecture** was followed during the development.
- Initial Level of Kafka integration was done using **KafkaJS**
- Added support for legacy APIs which were written in Django (Nuvola).

Briggo - Nuvola (Remote) | Django, DRF, Celery, RabbitMQ

Nov, 2020 - June, 2021

- Worked on migration from Python 2.7 to Python 3.9 and Django 1.9 to Django 3.1.3, alongwith major and minor bug fixes for service-nuvola (django based backend) for Briggo.
- Added new Models and Attributes to existing models, to change core functionalities using different runtime settings.
- Improved support for Stripe API. Added support for JWT Authentication alongside Session Authentication using Django Rest Framework.
- Twisted and Celery Integration/Enhancement for handling asynchronous tasks.

Tensorplace (On-site) 🌐 | NodeJS, Firebase, IBM Cloud, FastAPI

Oct, 2020 - Feb, 2021

- Developed a NodeJS based backend which utilized Firebase as it's NoSQL database, deployed using IBM Cloud.
- Developed a basic search engine that utilizes TF-IDF and Cosine Similarity for searching repositories supporting varied set of filters.

PERSONAL PROJECTS

Merge-PDF (Merging PDFs, Epubs, and Images with Customizations) [↗](#) | Python, PyMuPDF

- Merge Images, Epubs, and PDF files using customizations within a folder using the Command line.
- More than 11K+ downloads on Package and counting.

Work Experience

DashyDash (Remote) [↗](#)

Lead Backend Engineer

Oct, 2022 – Present

San Francisco, California

- Manage Invoice Pipeline and Backend for operations and customer facing APIs.
- Manage Terraform Codebase for the relevant modules and take care of timely deployments.
- Providing SPIKE/Research documents for new features prior to development.
- Codeowner for all the Backend related infrastructure for Invoice Platform.

Cilans Systems Pvt. Ltd. (On-Site) [↗](#)

Software Development Engineer

Oct, 2020 – Sept, 2022

Ahmedabad, India

- Software development and POCs for client projects for domains including Backend, DevOps, AI-Machine Learning, Deep Learning, Data Analytics, Data Visualization tools (i.e. Power BI, Tableau).

INTERNSHIP

CSE, IIT Bombay (On-Site) [↗](#)

Deep Learning Research Intern

Jan, 2020 – July, 2020

Mumbai, India

- Document Text Parsing using OCR and Deep Learning Techniques for E-KYC.
- Creating robust Text Image based Classifiers for detecting right type of documents with thorough Module-wise Analysis.

Vnurture Technologies (On-Site) [↗](#)

Machine Learning Developer Intern

May 2019 – July, 2019

Ahmedabad, India

- Understanding YOLO for Object Detection
- Electoral Voting Fraud Detection using Machine Learning and Computer Vision

TECHNICAL SKILLS

Languages: JavaScript, Python, SQL, HCL

Developer Tools: VS Code, Postman, PyCharm Community Edition, PGAdmin, DBeaver

Technologies/Frameworks: NodeJS, DRF, Django, NestJS, ExpressJS, Git, Mongo, Firestore, AWS Cognito, AWS Amplify, AWS EB, AWS Lambda

Git Providers: GitHub, GitLab, BitBucket

Achievements/Activities

- Google Tensorplace Developer [↗](#)
- Devfolio's ETHIndia Online: Chain Runner - 2020 [↗](#)
- Attended "Self-Supervised Learning: The Next Step in AI" by Prof. Yann Lecun hosted at IIT Bombay (February - 2020) [↗](#)
- Hosted my project "Electoral fraud detection" on AMLAI Meetup named "Real-World Machine Learning Application: Demo Day" (December - 2019) [↗](#)
- Server Side Development using NodeJS, Express, and MongoDB on Coursera. [↗](#)