

BHARATH.J

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Software Developer

An experienced Python Developer with advanced knowledge and AWS skills. Detail orientated and efficient with a proven track record of providing error-free program.

PROFILE SUMMARY

TOTAL EXPERIENCE: Overall 8+ years

Leading a Team of 4 people Internal to work on Event Based Process Automation on Konkert Platform using AWS cloud.

Projects: Data Anonymisation, Exhaust Data Append, Out of Office Reply Detection, Metadata collection, Data Extraction, Image Extraction, Object Detection, Twitter Stream.

AWS Services: Sagemaker, ECR, Cloud9, EC2, S3, CloudWatch, Docker

Languages & Databases & Framework: Python, Flask API, Fast API, PostgreSQL. Django

CAREER CONTOUR

Senior Python Developer

Gembrill Technologies Private Ltd, Chennai

[Aug 2022 to Present](#)

Responsibilities & Tasks:

- AWS Cloud Architectural Design
- Project Implementation Strategy
- Allocating and Managing Resources
- Nurturing team member strengths and identifying areas for improvement
- Representing and advocating for team needs
- Managing project progress
- Reporting progress to stakeholders
- Oversee day-to-day teams' operation and performance
- Delegate tasks and set project deadlines

Senior software Developer

Emulya Technologies Private Ltd, Chennai.

[Oct 2021 to Aug 2022](#)

Responsibilities & Tasks:

- Responsibilities to deliver the product within the time limit with all supporting documents.
- Deployed over in Azure VM for development for testing and production for client usage.
- Use CRF model for text classification in Invoice/Image processing.

R&D Team software Engineer

Perpetuuti Techno Soft Private Ltd, Chennai.

[Feb 2019 to Sep 2021](#)

Responsibilities & Tasks:

- Interacting with Team leads to understand their requirements with respect to technology limitations.
- Proficient on machine learning Models and data analysis with OpenCV, Pandas, NumPy.

Software Developer

OLAM, Chennai.

(July 2018 – Jan 2019)

Responsibilities & Tasks:

- Designed the Web application Using Python on Django Web Framework pattern to make it Extensible and flexible.
- Review code of other developers.
- Add new agents to database as per new registrations.
- Maintain emailer for forwarding leads to insurance agents.
- Automate manual task where ever possible.

System Admin – Technical Support

Fourth Dimensional Technologies Pvt Ltd, Chennai

Dec 2015 – July 2018

Responsibilities / Tasks

- Providing support to the project.
- Troubleshoot all software related issue.
- Configuring system and install all project related software's.
- Troubleshoot Citrix related issues.
- Maintaining printer server management.
- Generate overall report from the ticketing tool.

MAJOR PROJECTS

Data Anonymization

- Client data was stored from our own product into our backend database.
- In that data we use Encryption technique to secure user data and moved into the reader instance database.
- We anonymized the data using a specified token, with that token we can't able to decrypt the data we maintained separate token for both encryption and decryption.

Exhaust Data Append

- In this project we need to match the client data with our anonymized data to fetch the record.
- The matched record should return only the call connectivity and call state result.
- This result will help client to reach the user and sale the product effectively.

Out Of Office Reply Detection

- If we send a promotion or offer mail to the user. We capture the user activity like user read, delete or respond the mail based on those activity we can improved our product sales.
- If we send a mail to the user but the user is not available for two days or two weeks this project will find that the user is not available now with the help of this result, we don't send the promotional mail to that particular user.

Document and Data Extraction

- Have own Authentication and Authorization package to create and manage user accounts.
- Using Azure or Google OCR engine to extract the texts from an uploaded document.
- Using CRF and GCN statistical learning model to find and map the header field values like invoice name, number etc.,
- For Table prediction use object detection model and using Naive Bayes' for column mapping.
- In UI, integrated the tool to adjust the table region for better output and we have an option to add or remove additional table and header data.

Image Extraction

- Extracting the fields and line items from the invoices and other documents using computer vision.
- Identifying tables from the documents and extract structured information's using object detection.
- Using Postman API return the output in JSON or excel format to the UI.

Video Workflow

- Build a Django project to find and separate the unique frames from a given video input.
- This model removes all the duplicate frames in a video using OpenCV.
- Using Django rest API return the output in JSON format to the UI.

Object Detection

- Using pretrained models to detect the objects from images, videos and webcam.
- Using Neural network and YOLO model to train the object detection model for project based custom dataset.
- Host this project in Django application and created a Rest API for testing purposes.

Twitter Stream

- Using Twitter API key to authorize the twitter using tweedy.
- Fetch the tweets from the user account to the MySQL database.
- Created a Flask API for search and filter the tweets from the database.

Technology used

*Python, AWS, OpenCV, Tesseract, Django Frameworks, PyCharm, Ubuntu, Jira, Nginx, Azure VM.
AWS Services: Sagemaker, ECR, Cloud9, EC2, IAM, S3, API gateway, CloudWatch, Docker*

SCHOLASTICS PORTFOLIO

B.E – Electronics and Communication Engineering in 2015
T.J Institute of Technology

HSC – 12th (Computer Science) in 2011
Govt. Model Higher Secondary School, Chennai, State Board

SSLC – 10th in 2009
Lakshmi Narayana Matriculation School, Chennai, State Board

PERSONAL SNIPPETS

Date of Birth: 28-12-1993
Hobbies: Cricket, Music, Playing Indoor Games.

Languages Known: Tamil & English