Aniket Basu

Developer

Contact

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Skills

Python Programming

Web Development & APIs

Data Structures & Algorithms

Database Designing

OpenCV

Shell Scripting

Linux

GIT

Docker/Docker Composer

Microservice

After discovering my passion for Computer Science, I fanatically started working with the imminent technologies in this field. Presently I am a Python Developer with **more than 2 years of experiences** working in the department of AI with a prestigious organization, developing and enhancing products and services for customers by using advanced frameworks and emerging tools.

Looking forward to working in the domains of Data Structure, Analysis of Algorithms, Big Data & Data Analysis. I am also fascinated towards Artificial Intelligence, Machine Learning, Computer Vision and looking forward to explore my knowledge and skills in the same.

My Competencies can be recognized better once you go through my linkedIn profile further. Feel free to contact me directly at aniketbasu7@gmail.com.

Work History

2019-08 - Current

Developer

PRM Fincon, Kolkata, WEST BENGAL

WIREROPE HEALTH CHECKER:-
Designed a device & programmed it with Python that can detect, defects from Wire-ropes with the power of computer vision.

- Used **OpenCV** to detect defects in Wire-rope.
- Used **Raspberry PI Camera** for capture Images.
- Used **NVIDIA Jetson** for processing Hub.
- Used **Flask-API** for Communication between *NVIDIA Jetson* & *Raspberry PI 4*.

XLRT:-
Presently, developing a Financial Risk Management tool which is a combinations of AI & Rules based approach, that have power to read Financial documents and perform some actions accordingly. Libraries & tools used -

- **Tensorflow** & **OpenCV** for identification
- **Calamari-OCR** for extraction.
- **Pandas**, **FuzzyWuzzy**, **sklearn**, **NLTK** for analysis.
- **FastAPI** for communication with external services.
- **RabbitMQ** for internal communications.
- **Nameko** for Micro-service framework.
- **Cython** package for generating .so files.
- **JSON-Logging** for log

- SQLite for Database
- Docker for containerized.
- Deployed in AWS.

2019-02 - 2019-07

Junior Developer

PRM Fincon, Kolkata, WEST BENGAL

WEB SCRAPING:-

Developed a stock data grabber with the help of Web Scraping that can scrap a website and store stock information into Database.

- For web-scraping libraries used- **requests**, **BeautifulSoup.**
- For database, used PostgreSQL

TABLE EXTRACTION TOOL:-

Developed a small application using Flask framework. That can extract table from Electronic PDFs and stored into CSV.

- For detect Tables, library used- **OpenCV**.
- For extracting Tables, libraries used- **Tabula-py** & **Camelot-py** (Initially started with Tabula-py, later on moved to Camelot-py).
- For UI purpose used HTML5, CSS3, JavaScript, Bootstrap & Jinja2.

PDF SCRAPING:-

Developed an WebDrive based application, that will automatically download PDFs from given link then extract information from them & stored those information into Database.

- For WebDrive, library used- **Selenium**.
- For extract information from PDF, library used- **PDFQuery**.
- For Database used- **Postgres**.

AI MODEL VALIDATION TOOL:-

Worked with Python Programming to develop application that are used to Validate AI Models. Generally, it's used to measure AI model performance.

- For extracting text libraries used- **img2pdf**, **pdfminer**, **tesseract-ocr**
- For analysis purpose libraries used- **Pandas**, **Numpy**, **FuzzyWuzzy**, **Scipy**
- For API library used- **CherryPy.**

2018-06 - 2019-01	**Software Engineer Trainee**

Som Imaging Informatics Pvt Ltd, Kolkata, West Bengal

SEAMLESS:-

Developed a framework called ***Seamless*** which is a drag & drop Development framework for PHP, using

- PHP as Backend
- HTML5, CSS3, JS, JQuery & Bootstrap for Frontend.
- MySQL as Database.

iDoc - DOCUMENT MANAGEMENT SYSTEM:-

Developed and enhanced product called ***iDoc*** which is a **Document Management System**, using

- Seamless Framework
- PHP

*Later on Enhanced iDoc next version with **MEAN** stack.*

iDoc - SCAN MANAGER:-

Developed an application that can move scanned document to the respective document folder. Which is an add-on application of iDoc. using,

- VB6
- Tesseract-ocr

Education

2015-08 - 2018-06	**Master of Computer Application: Computer Science**

B. P. Poddar Institute Of Management & Technology - Kolkata

2012-08 - 2015-06	**Bachelor of Computer Applications: Computer Science**

Techno India College Of Technology - Kolkata

Interests

Data Analysis

Stock Market

Travel

Certifications

2018-04   Certification on Data Science Awarded by Big Data University

Badges

https://www.youracclaim.com/user/aniket-basu