# OBJECTIVE

Skilled Python and AI Developer with 2+ years of experience as an IT Engineer, specializing in building intelligent systems, developing APIs, and deploying scalable solutions. Proficient in full-stack development using Flask/Django and AI tools like TensorFlow, OpenAI, and Azure AI.

# SKILLS

* Python
* YOLO, TensorFlow,   
  Scikit-Learn
* Selenium, Pytest
* OpenAI Integration
* OCR, Flask, Django, REST API Development
* GitHub, Python Libraries
* Basic of HTML, CSS & JS
* Tableau
* Database- MySQL, PostgreSQL
* MS Office

# EDUCATION

**Loyola Institute of Technology, Chennai** 2018-2022

Bachelor of Engineering, Computer Science; Cumulative **GPA: 7.5**

# EXPERIENCE

**PCL INFOTECH PVT LTD** *Oct 2024 – Present*

**Backend Developer & Data Analyst**

* Backend Developer & Data Analyst specializing in developing B2B and B2C e-commerce websites using Flask for the backend, React for the frontend, and PostgreSQL for database management.
* Expertise in integrating robust backend systems with data analysis to drive business insights and optimize user experience.

**Green Books**  *Aug 2023 – Oct 2024*

**Software associate**

* Experienced AI Developer with a strong track record of deploying cutting-edge image identification software and optimizing backend systems for enhanced performance.
* Proficient in designing and implementing advanced AI/ML algorithms, with a deep focus on testing, deployment, and ensuring robust security.
* Passionate innovator consistently driving impactful solutions that exceed client expectations and tackle complex challenges.

**Skill-Lync**  *DEC 2022 – Mar 2023*

**Data Analyst intern**

* Identified and interpreted trends in complex data sets, uncovering correlations and delivering insights through dynamic visualizations using Tableau and Excel.
* Performed data cleaning and transformation using Python and SQL, ensuring consistency and reliability across datasets for accurate analytics.
* Validated and optimized existing spreadsheets, enhancing data integrity and establishing a robust data management framework.

# PROJECT

**Detection of KYC Documents – Green Books**

* Developed an intelligent system to detect and categorize KYC documents, including 1st and 2nd pages, PAN Card, Aadhar Card, Address Proof, and Signature, ensuring accurate document classification.
* Implemented automated masking for the first eight digits of Aadhar Card, enhancing data privacy and security compliance.
* Utilized advanced tools like YOLO, OpenCV, PIL, and Canvas libraries for seamless image processing and document categorization.
* Streamlined the process by compiling extracted and processed data into a comprehensive PDF report, optimizing efficiency and usability.

**Identify ICD 10 and 11 Codes for Medical Field**

* Engineered a robust Flask-based application for medical code identification, leveraging advanced integration technologies to enhance efficiency and accuracy.
* Designed and implemented a seamless REST API framework, enabling real-time extraction and processing of medical codes for faster decision-making.
* Applied cutting-edge Natural Language Processing (NLP) techniques to develop an intelligent medical code detection system that adapts to diverse data sources.
* Integrated OpenAI technologies with healthcare information systems, driving innovation in healthcare automation and improving code accuracy across platforms.

**PCLMART E-Commerce website**

* Built a robust backend system using Flask integrated with a PostgreSQL database for scalable and efficient data management.
* Created an intuitive and responsive frontend using React, ensuring optimal user experience and functionality for diverse user bases.
* Implemented features for inventory management, order processing, and secure payment gateways, enhancing operational efficiency and user trust.

**Certification and Achievements**

* Python for Data Science Certification
* SQL Certification
* Tableau Certification
* Excel Certification
* Winning a 1st Prize in Debug Competition