Aakash D   
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| --- | --- | --- | --- | --- | --- |
| SKILLS  **Programming Languages :**  Intern | Jul 2024 - Aug 2024 | Ranipet, India **• English • Telugu • Tamil**  Object-Oriented Programming (OOP) **Tools & Platforms:**  Industrial Engineer Intern   | programmable logic controller (PLC)  **B.E.,ECE**  Kingston Engineering College  2021-25| Vellore  CGPA: 7.8 till 6th semster  **Contributed to projects involving digital workstations and electrical troubleshooting**  Goverment Higher Secondary School Assisted in designing and programming PLC systems for automation projects, using ladder logic and structured text.  **SSLC**  Conducted testing and troubleshooting of PLC hardware and software to ensure efficient system operation.  2019| Serkadu  Utilized Python OpenCV to preprocess images, including resizing, noise reduction, and edge detection.  Implemented object detection algorithms to accurately locate and extract ID cards from the images.[Integrated Tesserac](https://github.com/Aakashdoraisamy)t OCR to read and verify textual information on the detected ID cards. [Ensured real-ti](https://github.com/Aakashdoraisamy)me processing and optimized performance for efficient detection and extraction.  [: By Udemy](https://github.com/Aakashdoraisamy)  [aakash-d-305a33253/](https://www.linkedin.com/in/aakash-d-305a33253/)  CERTIFICATIONS | | | | 2021-25 | Vellore  **OP Mobility** Intern | Jul 2024 - Aug 2024 | Ranipet, India **CGPA: 7.8 till 6th semster** 2021 | Serkadu | |
|  | Aakashdorais amy |
|  | LinkedIn:// https://www.linkedin.com/in/ |
|  | aakash-d-3 05a33253 / |
| **Codebind Technologies** Inplant | Jan 2023 - Feb 2023 |Chennai , India **2019 | Serkadu** | |
|  | Developed and tested embedded software for microcontrollers using C/C++. |
|  | Github:// ht tps://gith ub.c om/ |
| Developed and tested embedded software for microcontrollers using C/C++.  ID CARD DETECTION Python | NLP | NLTK **Assisted** in designing and debugging circuit boards for various embedded applications. | |
|  | Utilized Python OpenCV to preprocess images, including resizing, noise |
| reduction, and edge detection. | |
|  | Implemented object detection algorithms to accurately locate and extract |
| ID cards from the images. | |
|  | Inplant | J an 2023 - Feb 202 3 |Ch enna i , Ind ia |
|  | Embedded System |
| **Python** | Python |OpenCV|ESP32 CAM | [link] | | Created a user-friendly interface using Python's Tkinter for seamless communication between the chatbot and users. : By Great Learning | |
| **Java** | Problem: Many students are Facing Attendace Issues | | [[link]](https://olympus.mygreatlearning.com/courses/12385/certificate) |  | Designed and developed a chatbot using Python, implementing Natural |
| **By Codebind Technologies** | Programmed the ESP32-CAM to capture high-resolution images and stream them to a server. | | [Student Volunteer](https://olympus.mygreatlearning.com/courses/12583/certificate) |
| Language Processing (NLP) techniques for user query handling. | |
| **Participated in NSS camp focused on community service and development.** Organized health awareness programs, cleanliness drives, and educational outreach. [Demons](https://drive.google.com/file/d/1hQ8PGVrFdHu_v7fv2JMolovWFogSDUUm/view?usp=sharing)trated leadership, teamwork, and commitment to social responsibility through hands-on community projects.  [link]  **Image Classification**  By Chennai Institute of Technology (CIT) **By Study World of Engineering**  By Chennai Institute of Technology (CIT)  **Robotics**  By Study World of Engineering  LANGUAGES KNOWN• English • Telugu • Tamil | | | |  | [link] |
|  | : By Cisco |
|  | Created a user-friendly interface using Python's Tkinter for seamless |
| communication between the chatbot and users.  : By Great Learning  **NSS (National Service Scheme)** [link] | |
|  | Designed and developed a chatbot using Python, implementing Natural Language Processing (NLP) techniques for user query handling. |
|  | Utilized l ibrarie s such as NLTK, Tens orFlow, and NumPy to bui ld and trai |
| n the chatbot for efficient conversational interactions. | |
|  | Integrated machine learning algorithms to improve response accuracy and su |

pport real-time user interaction.