NITISH M

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Education

Shiv Nadar University Chennai — Chennai,TamilNadu
Bachelor of Engineering in Computer Science(IOT), CGPA - 8.754 — *Aug. 2023 – Aug 2027*

Atomic Energy Central School — Anupuram, TamilNadu
12th std - 90% — *April. 2022 – March 2023*

Atomic Energy Central School - 2 — Kalpakkam, TamilNadu
10th std - 96.8% — *April. 2020 – March 2021*

Internships

- **Infosys Springboard 5.0**: Developed a web-based application to extract key details from scanned cheques, such as payee name, account number, and amount. Utilized Pytesseract for OCR to extract text from images and PyMuPDF for parsing scanned PDFs. Deployed the application as an interactive website using Streamlit, enabling users to easily upload and process cheque images for automated data extraction.
- **LetsUpgrade** - Student Ambassador at LetsUpgrade: Represented LetsUpgrade as a student ambassador, promoting coding courses and events to peers.

Projects

- **Checkmate:** - An advanced system designed to automate the labor-intensive task of bank cheque processing. By leveraging technologies like Optical Character Recognition (OCR), image preprocessing, and machine learning, it efficiently extracts key cheque details such as the bank name, payee name, amount, date, account number, and cheque number and extracts the details in PDF, CSV format and stores it in MongoDB. GitHub Link.
- **Photoelectric Effect** - Created an interactive GUI application to simulate the photoelectric effect, an important concept in quantum physics, using HTML, CSS, and JavaScript. GitHub Link.
- **Simple Banking System** - Developed a secure and functional web-based banking application to simulate common financial transactions like debit, credit, and fund transfers using HTML, CSS, and JavaScript. GitHub Link.
- **Dwell Time Analysis** - Developed a Python-based video surveillance system for analyzing the dwell time of individuals in monitored areas using the OpenCV module. GitHub Link.

Achievements

- **NPTEL Certifications:** *Big Data Computing* (Elite), *Block Chain and its Applications* (Elite)
- **National Talent Search Examination (NTSE):** Stage I Qualified.
- **Smart India Hackathon:** Qualified at the Inter-College Level.
- **VITC Empowertech Hackathon:** GrandFinalist

Technical Skills

Programming Languages: Python,C,Java,Machine Learning

Web Development: HTML,CSS,Javascript

Databases: MySQL,MongoDB

Hardware Tools: Arduino UNO, Raspberry Pi