Chaitanya Sagar

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EDUCATION

New Jersey Institute of Technology, USA   **Sept 2021 – May 2023**
Master's in Computer Science, GPA 3.5

Guru Gobind Singh Indraprastha University, New Delhi, India   **Aug 2017 – July 2021**
Bachelor's in Information Technology, GPA 3.2

TECHNOLOGY SUMMARY

Programming Languages: JAVA, Python, JavaScript, TypeScript, SQL, C/C++, Embedded C, R Programming.
Scripting Languages: Python, Java Script, HTML, CSS, XML, JSON.
Frameworks, Databases & Servers: Angular 2+, Node.js, Express JS, No-SQL, MongoDB, MySQL, JDBC, Oracle, Tomcat Apache, PhpAdmin.
Tools and Technologies: Git, Visual Studio, Linux, MATLAB, Android Studio, Arduino IDE, Raspbian OS, Excel.
Certifications – Internet of Things, Java Level 1, Java Level 2.

WORK EXPERIENCE

Checkbox Technology Pvt. Ltd.   **May 2022-July 2022**
Noida, India
Role: Full Stack Developer
Company Profile : Checkbox is a USA based company with branch offices at Kolkata and Noida in India. From Embedded systems, Analytic, Business Insights to Digital Transformation, Checkbox partners with organizations and institutions globally to create value and drive change to help companies build stronger businesses.
Responsibilities
- Deep understanding of the code base.
- Creating REST APIs using Express JS and Node.js.
- Following AGILE methodologies for working along with the planned sprint.
- Using Git for version control.

Technologies and Methods used: JavaScript, Node.js, Angular 2+, TypeScript, MongoDB, No-SQL, Express JS, HTML, CSS, Boot Strap, REST APIs

Defence Research and Development Organization   **May 2020 - July 2020**
New Delhi, India
Role: Research Intern
Company Profile: The Defence Research and Development Organisation (DRDO) is the premier agency under the Department of Defence Research and Development in Ministry of Defence of the Government of India, charged with the military's research and development, headquartered in Delhi, India.
Responsibilities
- Research and study about the biometric systems and their security architecture.
- Study the research papers given and implement the algorithms for making the cancellable biometric templates using MATLAB (Image Processing Toolbox).
- Also, implement the biometric metrics to check the performance of the cancellable biometric templates.

Technologies and Methods used: MATLAB, Data Analysis.

ACADEMIC PROJECTS

Intelligent Intrusive Detection System
Intelligent Intrusion Detection System (IIDS) is a system to detect physical intrusion in a premise. System uses advanced Computer Vision techniques along with Machine Learning algorithms to make decisions. This system can automate entire surveillance and detect any intrusion.
Technologies Used: Python, NumPy, Pandas, Cv2, Watchdog System.

Public Sanitizing Assistant
This project seeks to build a Smart Sanitizer Dispenser with the inbuilt IR temperature sensor to assist the guards at every office, public area, and mall.
Technologies Used: IOT, Python, Raspberry Pi, Arduino.

Work-Frame for Bank with Database
In this project, I made a work-frame for a bank with a database, which manages every transaction going through the bank.
Technologies Used: HTML, CSS, Bootstrap and PHP