

Ali Asgar Padaria

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Education

Nirma University, B.Tech in Computer Science

Oct 2020 – June 2024

- CGPA: 8.8/10.0

Experience

Application Developer Intern, Johnson Controls-Hitachi, India

Jan 2024 – May 2024

- Created a prototype for a Bluetooth ecosystem to control Hitachi Air Conditioners via an Android application.
- Developed an Android application for Bluetooth AC control, enhancing user experience with seamless connectivity, using Java and Android Studio.
- Assisted in developing and programming Bluetooth chips, optimizing transmitter and receiver data handling for consistent and rapid AC control responses.
- Technologies used: Java, Android Studio, Embedded C, Simplicity Studio, Docklight

Skills

Languages: C, C++, Java, Python, Solidity, SQL, HTML, CSS, JavaScript.

Frameworks, Tools and Software: Git, Github, Django, Node, Tailwind, Tensorflow, Keras, Android Studio

Soft: Communication, Leadership, Problem-Solving, Time Management, Adaptability, Teamwork

Projects

InterConnectX

Spongy01/InterConnectX

- Developed a middleware during a hackathon which facilitates communication among diverse clients using different API protocols (REST and SOAP) by translating between these protocols to enable seamless interaction.
- Tools and Technologies: Python, Django, REST, SOAP, SQL.

Question Paper Generator

Spongy01/Question-Paper-Generator

- Developed a Generator that allows for dynamic generation of question papers based on criteria such as total marks and difficulty distribution. The modular design facilitates easy updates and integration of new conditions.
- Tools and Technologies: Node.js, Modular Design, Documentation, Testing.

Humour Detector

Spongy01/Humour-Detection

- Developed a Humor Detector application that uses natural language processing to analyze and classify the humor in text, distinguishing between different types of humor.
- Tools and Technologies: Python, Django, Natural Language Processing (NLP), Text Classification.

Publications

Securing the Future: A Comprehensive Review of Security Challenges and Solutions in Advanced Driver Assistance Systems

10.1109/AC-CESS.2023.3347200

ConCollA - A Smart Emotion-based Music Recommendation System for Drivers

10.12694/scpe.v24i4.2467

Traffic Sign Classification for Autonomous Vehicles Using Split and Federated Learning Underlying 5G

10.1109/OJVT.2023.3326286

Additional Experience And Awards

MOOC course: Ethereum and Solidity: The Complete Developer's Guide, Udemy

MOOC course: Deep Learning Specialization, Coursera

Runner Up, Hackathon: HackNUthon - Project - InterConnectX (Github) (Certificate)