ARSHIYA FATHIMA ABDUL KAREEM

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EDUCATION

The University of Texas at Dallas ***Spring 2027***

Bachelor of Computer Science | 4.0/4.0

- **Relevant Coursework:** Advanced Data Structures, Advanced Algorithm Analysis/Design, Database Systems, Machine Learning, Automata Theory, Operating Systems Concepts, Artificial Intelligence, Computer Networks

Loyola-ICAM College of Engineering and Technology ***Spring 2024***

Bachelor of Computer Science and Engineering | 3.8/4.0

SKILLS

- **Programming Languages:** Java, Python, C, JavaScript, HTML, CSS3
- **Frameworks & Libraries:** React, Node.js
- **Databases:** MySQL, MongoDB
- **Cloud & Tools:** AWS Lex, Linux/Unix
- **Data & Analytics:** Power BI, Microsoft Excel, PowerPoint
- **Design & Productivity Tools:** Microsoft Office Suite, Canva, CapCut, Framer, WordPress, Figma

EXPERIENCE

Adyog Software Solutions ***September 2024 - October 2024***

JavaScript Intern *Chennai, India*

- Gained hands-on exposure to JavaScript development in a real world workflow, including code reviews, debugging practices, and structured project execution.
- Collaborated with subject matter experts and mentors to translate theoretical concepts into practical implementations, while delivering tasks aligned with project requirements.
- Participated in daily stand-ups and progress reviews, building experience with Agile-style collaboration and professional communication.

PROJECTS

SEE SENSE STOP- *Group Project* ***June 2024***

ESP 8266, OpenCV, Python, Arduino C

- Designed and implemented a **smart security system** integrating **OpenCV (Python)** for real-time face/object detection with an **ESP8266 microcontroller** for IoT-based alerts.
- Applied **Python-OpenCV image processing** techniques to detect intrusions.
- Enhanced system reliability by combining **embedded systems, IoT, and computer vision** to create a cost-effective smart security prototype.

Finding Nemo- *Group Project* ***July 2024***

ESP8266 microcontroller, Neo-6M GPS module, GSM module, HTML, CSS, JavaScript, Google Maps API

- Built a live location tracker using Neo 6M GPS module and GSM, with a web interface for real-time monitoring.
- Designed the system as a **low-cost IoT solution** for applications such as **asset tracking, patient safety in hospitals (preventing wandering), and personal navigation.**
- Built a **web interface** for live monitoring of GPS coordinates, enabling users to track devices remotely.

RailEase - *Individual Project* ***August 2024***

AWS Lex, AWS Lambda

- Designed a chatbot using Amazon AWS Lex to streamline railway ticket booking and schedule queries
- Enhanced **user engagement and convenience** by providing instant responses to queries through a conversational interface.

MealGenie - *Individual Project* ***In Progress***

React.js, Firebase, OpenAI API

- Developing a **web-based AI-powered meal planner** that generates daily/weekly meal plans based on user preferences, dietary restrictions, and calorie targets.
- Focused on **personalization, convenience, and healthy eating**, providing users with a ready-to-use meal plan in minutes.

CERTIFICATES & LEADERSHIP

- Database Programming with SQL - Oracle Academy
- Cloud Computing – Acmegrade
- Data Skills 3-Day Challenge – CRION University
- Director of Media, Pattarai Tech Club, LICET
- Media Coordinator, Institute's Innovation Council (IIC)
- Core Member, SHE Forum, LICET