Dhaval Khunt

Windsor, ON

437-868-2908 |Dhaval.khunt29@gmail.com

linkedin.com/in/dhaval-khunt-104a01211/ | https://github.com/Dhaval2908/

PROFILE

- Experienced software developer with expertise in C, C++, Java, and Python, developed through hands-on projects and professional experiences.
- Designed IoT solutions and created a Java-based search engine, demonstrating strong problem-solving and team collaboration skills.
- Proven ability to manage server-side logic and database integration, with excellent communication and leadership abilities.

TECHNICAL SKILLS

- **Programming Languages:** C, C++, Java, Python, JavaScript, TypeScript, Embedded C, HTML, CSS, JSON.
- **Database Management:** SQL, MYSQL, MongoDB.
- **Frameworks and Libraries:** ReactJS, NodeJS, Express JS, FastAPI, Selenium, TensorFlow, Keras.
- **Tools:** Git, Github, VS code, Postman, Docker, JIRA, Jupyter, AWS.
- **Operating System:** Linux, UNIX, Windows, MacOS, VMware.
- **Other:** User Experience (UX) Design, Software Development Lifecycle (SDLC),UML,API Development, Unit Testing, Agile Methodology, API Development

EDUCATION

Master of Applied Computing   Jan 2024 - Present
University of Windsor, Windsor, ON
- Final semester of program requires a 4- or 8-month internship that would start in Jan 2024.
- Relevant course work: Advanced Systems Programming, Advanced Database Topics, Advanced Software Engineering, Advanced Computer Concepts.

Bachelor of Technology, Information Technology   Jul 2018 - May 2022
Charusat University, Anand, Gujarat, India
- Relevant course work: Object Oriented Programming, Data Structures and Algorithms, Database Management System, Cryptography and Network Security, Machine Learning, Internet of Things, Artificial Intelligent.

PROFESSIONAL EXPERIENCE

IOT Intern   Dec 2021 - Apr 2022
Avea Media Labs Pvt Ltd, Ahmedabad, Gujarat, India
IOT Devices, MQTT, RESTful APIs, ESP32, Raspberry Pi, Python
- Built and integrated IoT solutions using ESP32 and Raspberry Pi, utilizing MQTT for efficient device communication.
- Developed robust server-side logic with Node.js and managed database operations with MySQL for efficient data handling.

- Conducted testing and enhancement of smart lighting systems to ensure optimal performance, collaborating with a cross-functional team for successful project execution.
- Designed and implemented a web dashboard to monitor and control IoT devices, providing real-time data visualization and remote management capabilities.

PROJECTS

JAVA Project   Jan 2024 - Apr 2024
University of Windsor, Windsor, ON
Technology: Java, Selenium, Maven

- Constructed a Java-based command-line search engine to aggregate food prices from multiple websites.
- Automated web scraping using Selenium to extract data from three distinct websites, each offering ten different product categories, and ensuring daily updates.
- Implemented efficient search features using advanced data structures like Trie, hash map, and Priority Queue.
- Enhanced data analysis capabilities by adding filters and sorting options for various food attributes.

Smart Hydroponic Farming   Dec 2021 - Apr 2022
Charusat University, Anand, Gujarat, India
Technology: IoT Devices, MQTT, ESP32, Node.js, MySQL, EJS, Html, CSS.

- Created an automated system to monitor and control hydroponic farms, ensuring optimal plant growth.
- Used MQTT for seamless communication between sensors, actuators, and the central server.
- Built robust server-side functions with Node.js and managed data storage and retrieval with MySQL.
- Designed a user-friendly web application with EJS for real-time monitoring and management of the hydroponic system.

COMPETETION

SMART GUJARAT FOR NEW INDIA HACKATHON 2020   Feb 2020
Government of Gujarat

- Developed innovative solutions for real-world problems, demonstrating strong initiative and leadership.

MAKER FEST Vadodara 2020   Jan 2020
Yuvalay NGO

- Presented a cutting-edge project, showcasing technical skills and creativity, reflecting excellent teamwork.

CSI-AVISHKAR Tech-Expo 2019   Aug 2019
Computer society of India

- Achieved 1st Rank for a groundbreaking technology exhibit, demonstrating excellence in innovation, technical proficiency, and leadership.