

# Harish Kumaravel

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## TECHNICAL SKILLS

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

Web Technologies : React, Redux, Angular, NodeJS, Express, Mongoose, REST API, Tailwind CSS, Flask, FastAPI, Bootstrap, Web3, Truffle.

Mobile Technologies : React Native.

Databases : MYSQL, MongoDB, PostgreSQL, Oracle, Firebase.

Cloud Technologies : AWS, Azure, Elastic Search.

Deployment Tools : Git, Docker, Jenkins.

IDE & Tools : Android Studio, Visual Studio, Eclipse, Unity, Postman, Ganache.

## EDUCATION

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### Master of Applied Computing

May 2023 - Present

University of Windsor, Windsor, Ontario

- Related Courses : Advanced Software Engineering, Advanced Computing Concepts.
- Open to Co-op for 4 - 8 months.

### B.Tech - Information Technology

Aug 2018 - May 2022

Rajalakshmi Engineering College, Cgpa - 8.81/10, Chennai, TN

- Related Courses : Data Structures, Object Oriented Programming, Software Engineering, Web Development, Operating Systems, Database management, Computer Networks.
- Graduated with a distinction.

## WORK EXPERIENCE

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### Trainee Intern

Jan 2022 - Sep 2022

Kaar Technologies, Chennai, India

- Constructed and maintained a comprehensive SAP portal with Angular JS and REST APIs, enabling seamless data updates on the SAP master database.
- Built a centralized master portal for all SAP modules, providing a unified and user-friendly interface for efficient data management across multiple modules.
- Collaborated closely with cross-functional teams, including SAP administrators and module experts, to gather requirements and ensure alignment with business needs.
- Led the development of a robust backend for an SAP chatbot with Python and Flask API, catalyzing seamless integration with SAP systems and enhancing user interactions.
- Leveraged Docker and Azure to deploy the chatbot, ensuring high availability and scalability.
- Established a CI/CD pipeline leveraging Jenkins, automating the build, testing, and deployment processes, resulting in a significant reduction in development time and increased overall efficiency.

### Software Engineer Intern

Dec 2020 - Mar 2021

Centre for sponsored research and consultancy (X-BIT), Chennai, India

- Created an augmented reality application for artisans with Unity and Firebase, acting as an E-marketing tool to present products in 3D and provides consumer an accurate price.
- By accomplishing an e-marketing platform driven by AR, the company was able to increase sales by 20% by streamlining the advertising and sales process by cutting down the client's wait times by 15%.

- Implemented backend logic using C# to generate AR models of customized price based on selection by user through interaction with the model on screen, resulting in highly personalized and user friendly solution for artisans to sell idols.
- Built a beta application for a future Mixed Reality Glass for "JIO" using their SDK, which was listed in the top 100 apps in JIO App-store and chosen as the application of the month.

#### Web Developer Intern

Sep 2020 - Dec 2020

RC Diamonds, Delhi, India

- Developed a robust e-commerce project using React.js, Node.js, and Stripe API, resulting in a seamless online shopping experience.
- Led and collaborated with a team of 6 members, ensuring project completion within the specified timeline.

### PROJECTS

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#### Traceability on pharmaceutical products using blockchain

Oct 2021

Rajalakshmi Engineering College, Chennai, India

##### Web3, Meta Mask, Solidity, Truffle, Ganache, HTML, CSS

- Designed and developed a cutting-edge Decentralized Application (DApp) on the Ethereum blockchain for the Pharmaceutical industry, enabling a secure peer-to-peer platform for purchasing pharmaceutical products while ensuring authenticity and traceability.
- Leveraged technologies such as web3, Ethereum, Solidity, Truffle, Ganache, Meta Mask, HTML, and CSS to deliver a robust and user-friendly solution.
- Accomplished smart contracts to facilitate seamless transactions and utilized blockchain technology to track the origin and journey of products, mitigating the risk of counterfeit products.
- Delivered a reliable and scalable application revolutionizing the pharmaceutical industry's supply chain management.

#### Face-Recognition Attendance System

Sep 2020

Rajalakshmi Engineering College, Chennai, India

##### Python, Pandas, OpenCV

- Designed a face recognition-based attendance system for students, automating the attendance process upon detecting individual faces.
- Utilized the pandas library to efficiently manage and store attendance data in an Excel sheet.
- Collaborated with the Head of the Department (HOD) to devise a cost-effective software solution for streamlined attendance tracking for both students and teachers.
- Received high praise and recognition from higher authorities for its practicality and effectiveness.

#### E-P YSCH

Jan 2019

Rajalakshmi Engineering College, Chennai, India

##### Java, Google Dialog Flow, Android Studio, Azure

- Developed an engaging Android application using Java and Android Studio, integrated with Google Dialog flow, catering to individuals seeking companionship and meaningful conversations.
- Utilized an AI-based chatbot to interact with users, providing empathetic and personalized responses.
- Implemented sentiment analysis techniques with Azure Sentiment Analysis API to analyze user sentiments in real-time, enabling the app to deliver suggestions and uplifting content to enhance the user's well-being.