Udayakumar Ezhilmurugan

Development Engineer

Achieving useful excellence in result-oriented software with 3+years of experience in developing innovative software solutions, optimizing algorithms and analyzing complex data structures . Won 4+ National/State awards for developing the best project by competing .Strong team player with excellent communication skills,commited to continuous learning and staying up-to-date with the latest industry advancements.

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⭕ github.com/EzhilMurugan

in Linkedin/EzhilMurugan

🌐 https://ezhil.trojanx.in/

🌐 school portfolio

EDUCATION

Master of Science in Data Science

Singapore university of technology and design
09/2024 - 10/2025

- Key Courses: Data Analytics, Grid and Cloud computing, R Studio, machine learning and statistics Programming and Data structures, Algorithms, Artificial Intelligence,

Bachelor of Engineering in CSE

Anna University
06/2020-06/2024   CGPA(present): 7.90 - India

- Key Courses: Programming and Data structures, Algorithms, Artificial Intelligence, Compiler Design, Grid and Cloud computing, Mobile App Development, Cryptography and Network Security

PERSONAL PROJECTS

QUIRKY.AI (Ingenious Tool for Industries & Education)

- Introducing our eminent Quirky.AI that excels in technical tasks and mathematical computations, making it more efficient and cost-effective than other bot using our own pre-trained algorithm..

BRAIN-TUMOR-DETECTION

- Automated brain tumor detection using deep learning techniques. It leverages CNNs to analyze MRI images and accurately identify the presence of brain tumors. The goal is to assist medical professionals in early and reliable diagnosis, improving treatment outcomes through advanced image processing and classification methods..

SMART PARKING SYSTEM FOR SINGAPORE IN PHP

- A smart parking system uses technology like sensors and software to manage parking spaces efficiently, providing real-time data on availability and guiding drivers to vacant spots, ultimately improving the parking experience and reducing congestion.

E-COMMERCE APPLICATION IN LARAVEL

- Developed and published a software application in playstore as JKM-MART for online delivery of grocery item including sea foods and simplifying grocery shopping with a user-friendly interface, seamless navigation, and secure authentication.

TECHNICAL SKILLS

Category	Details
Programming Languages	Python, java, C, C++, Kotlin, Javascript,
Data Science	R, Azure Machine Learning, Excel, Power BI
Development	Java, React JS, Laravel, XML, Firebase, SQL.
Frameworks	Mobile, Web, .Net
IOT	Arduino, Raspberry Pi, Firebase Database

Hackathon (State Level) (Winner 🏆) (09/2024)
Issued by Tamil Nadu Skill Development Corporation

- Developed a Geographical Information System-DEEP SEA FISHING APP with IOT and satellite connectivity to track deep sea fisherman and to explore the unexplored new locations in the deep sea.

Hackathon (State Level) (03/2024)
Issued by Tamil Nadu Skill Development Corporation

- Developed an advanced agricultural voice cum chat bot to reach out more number of farmers using Artificial Intelligence and Natural Language Processing

Finalist of Smart India Hackathon (National Level) (07/2022)
Issued by Government of India

- Developed an software to automate the whole approval process for building construction approvals.

MSME (State Level) (10/2022)
Issued by Tamil Nadu Skill Development Corporation

- Developed a Women's Safety App currently recognized as the most advanced safety app on the Play Store, its algorithm has been integrated into the official government app.

EXPERIENCE

Software developer (02/2021-10/2022)

- Developed an application for women safety by implementing SOS alert system even without internet connectivity and secured a seed fund of 18 lakh INR. Currently recognized as the most advanced safety app on the Play Store, its algorithm has been integrated into the official government app.

Web developer (07/2023-08/2023)

- As a software developer, I had developed a web application to provide up to date and reliable research sources publication site to the scientific community and promote scientific research globally.

Digital marketing (11/2023-01/2024)

- Implementation of social media marketing, search engine marketing (SEO),content marketing Strategy and results-driven digital marketer with 2+ years of experience building paid and organic marketing funnels for SaaS companies for web pages.

IOT Developer (*04/2024-09/2024)*

- Developed a Geographical Information based-DEEP SEA FISHING DEVICE for country border identification to save the life of the fisherman with straight forward,affordable and user friendly approach.

VOLUNTEER WORK

Technical Advisor and Student Chairman

SRM TRP ENGINEERING COLLEGE(12/22-04/24)

- Mentored 1000+ of my junior students in my college to solve all the problems they had while developing their mid-term projects and advised the best approach to do their tasks.

Entrepreneurship Development Leader

SRM TRP ENGINEERING COLLEGE(11/21-06/22)

- Worked and mentored 200+ students in developing their business skills and motivating the students to achieve their goal, as 15+ students have started the startup business and MSME per year under my guidance .