

# KRISHNAN KACHARYA

Full Stack Developer

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GitHub: <https://github.com/CipherZemo>

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## Profile Summary

Highly motivated B.Tech Computer Science graduate with hands-on experience in full-stack web development using the MERN stack. Skilled in building scalable applications with RESTful APIs, authentication systems, responsive frontend, reliable backend architecture and database management using MongoDB. Passionate about writing clean code, solving real-world problems, and continuously improving technical skills through internships and practical implementations. Strong foundation in debugging, testing, deployment and version control. Committed to continuous learning and delivering efficient, user-focused solutions. Actively seeking opportunities to contribute to scalable web applications and grow as a software engineer.

## Academic Qualification

SI.NO	Course	Year of Completion	Institute	Aggregate
1	<i>B.Tech in Computer Science Engineering</i>	2021 – 2025	<b>APJ Abdul Kalam Technological University, Kerala</b> TKM Institute of Technology	CGPA: 6.94/10(First class)
2	Higher Secondary Examination (Grade: 12)	2021	<b>Kerala Board of Public Examinations, India</b> St Antony's HSS	Percentage: 93.83%
3	Secondary School Leaving Certificate (Grade: 10)	2019	<b>Kerala Board of Public Examinations, India</b> SNSM HSS	Percentage: 80.2 %

## Internships & Training

- CORIZO India (Remote)**
- ACADEMOR Ltd. (Remote)**

17 Aug- 30 Sept 2024

16 Aug- 16 Oct 2023

3. <b>DEVTOWN Inc.</b> ( <i>Remote</i> )	<i>15 Oct 2024 – 15 Mar 2025</i>
4. <b>HIGBEC PVT LTD</b> ( <i>On site</i> )	<i>3 Mar 2025 – 31 Mar 2025</i>

## Core Competencies

- HTML, CSS, JS, MySQL
- MongoDB, Express, React, NodeJS
- TailwindCSS, Bootstrap
- RESTful API, Authentication, Debugging/Testing, Deployment
- Git, GitHub, Postman, MongoDB Compass & Atlas

## Experience & Position of Responsibility

1. **DEVTOWN Campus Ambassador** – Intern (Aug – Feb 2025)
2. **CORIZO Internship in Web Development** - Intern (sept – oct 2024)  
Built and enhanced several applications to improve user interaction and user experience.
3. **HIGBEC PVT LTD in Machine Learning** - Intern (mar 2025)  
Created and labelled various datasets for several ML models to train them and improve their accuracy. Trained several ML models using Jupyter Notebook.  
Improved a Waste Management Robot which works on YOLO

## Project

**1. AUTOMATED WASTE MANAGEMENT ROBOTIC SYSTEM FOR efficient COLLECTION AND SEGREGATION OF dry and wet waste-** A robotic system which identifies and segregates different types of waste at an area. Using a powerful YOLO ML model, it segregates waste with accuracy of 86.3%. The robot's movements were controlled by an ESP32 microcontroller, whereas Arduino nano was used to control a robotic arm infused with a cam to detect and handle waste.

**2. A BLOG WEBSITE using NodeJS** – A blog application for users where they can post and view blogs. Users can also comment and like others post. NodeJS was used as backend which handles all the CRUD operations of users and MongoDB was chosen as database. Frontend was made using HTML, CSS, JS and EJS.

**3. An EMS WEBSITE that handles all CRUD operations** – An EMS application where we can handle employee data and related info. A user can perform all the CRUD operations to manage employee's data in an organisation. NodeJS was used as backend which handles all the CRUD operations and MongoDB was chosen as database. Frontend was built using HTML, CSS(Bootstrap), and JS.

**4. Full-Stack URL Shortener Service (Short.ly)** – A full-stack URL shortening service built with the MERN stack (MongoDB, Express.js, React, Node.js). This application allows users to shorten long URLs, track click analytics, and manage their links through a private, authenticated dashboard. The core functionality allows any visitor to submit a long URL and

receive a shortened, unique link. When this short link is used, the service redirects the user to the original destination while invisibly tracking the number of clicks.

## Certifications

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|---|------------------|
| <b>1. Commonwealth Bank Software Engineer Job-sim on Forage</b><br><i>Forage</i><br><i>Enrolment Verification Code - FGDdpcZPHwxFjSW3b</i>  | <i>Jan 2026</i>  |
| <b>2. Blackbird Australia Software Engineering virtual experience</b><br><i>Forage</i><br><i>Enrolment Verification Code - Sm2iSsMMaq5WPLXo5</i>  | <i>Feb 2026</i>  |
| <b>3. JPMorgan Chase &amp; Co's Software Engineering on Forage</b><br><i>Forage</i><br><i>Enrolment Verification Code - wpXBf4bzGDrDxa5GP</i>   | <i>Feb 2026</i>  |
| <b>4. Quantum's Software Engineering Job Simulation on Forage</b><br><i>Forage</i><br><i>Enrolment Verification Code - 8ByfHfibNMAyZcxr8</i>  | <i>Feb 2026</i>  |
| <b>5. Skyscanner's Front-End Software Engineering Work</b><br><i>Forage</i><br><i>Enrolment Verification Code - yHLXry4GaANLSv82L</i>   | <i>Feb 2026</i>  |
| <b>6. Campus Ambassador</b><br><i>DevTown</i><br><i><a href="https://cert.devtown.in/verify/1QFzWp">https://cert.devtown.in/verify/1QFzWp</a></i>   | <i>Oct 2024</i>  |
| <b>7. Google Developer Students Club</b><br><i>Cloud Computing and DevOps</i><br><i><a href="https://cert.devtown.in/verify/Z1haDD4">https://cert.devtown.in/verify/Z1haDD4</a></i>                               | <i>July 2024</i> |
| <b>8. Web Development Intern</b><br><i>CORIZO</i><br><i>Wipro Dice id: CRZ70I79</i><br><i><a href="https://cert.diceid.com/cid/GnaQvZTD3e?verify=true">https://cert.diceid.com/cid/GnaQvZTD3e?verify=true</a></i> | <i>Sept 2024</i> |
| <b>9. Machine Learning Intern</b><br><i>HIGBEC PVT LTD</i>  | <i>Mar 2025</i>  |