K.Karthik

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Skills and Technologies

Languages: C/C++, Java, Python

Frameworks: Node.js, Django, Flask, Express.js

Database Management: MySQL, PostgreSql, MongoDB, Oracle database XE

Cloud platform and deployment: Firebase, Render, Ngrok, Cloudflare

Embedded Systems: Arduino IDE, Keil µVision, FreeRTOS, ThingSpeak

Key Strengths: Data Structures and algorithms, Cloud deployment, Git, System Integration, Debugging and Optimization

Projects

Drive – Dropbox File Browser UI   *Cloud File Manager*

- Developed a modern cloud-based file browser with recursive folder listing, grid/table views, and bulk file operations.
- Integrated Dropbox API for file access, search, zip download, and OAuth-based access token handling.
- Designed animated progress indicators and responsive UI for seamless user experience on web.
- **Tech Stack:** Node.js, Express, Dropbox API, HTML, CSS, JavaScript, Cloudflare.

Chocoloco – E-Commerce Website   *Online Chocolate Store*

- Built a full-stack chocolate store with product listings, cart system, secure checkout and order tracking.
- Implemented secure backend APIs for user interactions and data management using Express and MongoDB.
- Implemented JWT-based authentication, payment gateway integration, automated bill generation, and email order confirmations.
- **Tech Stack:** HTML, CSS, JavaScript, Bootstrap, Node.js, Express.js, MongoDB, Render

Education

Basavarajeswari Public School & College, Ballari, Karnataka   2020
Class X   **81%**

Narayana Pre-University College, Ballari, Karnataka   2022
2nd PUC   **75%**

KL University, Vijayawada, Andhra Pradesh   2026
Bachelor of Technology in Electronics and Computer Science   **CGPA: 9.15**

Internships

Web Development Intern – SSB Automations   June 2024 - July 2024

- Built responsive and animated web interfaces with HTML, CSS, and JavaScript, enhancing user interaction by 20%.
- Engineered a web application using Node.js, Express, and MongoDB to manage form submissions and serve real-time content.

Web Development Intern – CodSoft   August 2024 - September 2024

- Designed a tribute page using HTML and CSS, showcasing visual design skills and personalized layout techniques.
- Programmed a job portal with employer/candidate dashboards, resume uploads, simulating a real-world hiring platform.

Certifications

Red Hat Enterprise Application Developer	Red Hat
IBM Python Certification	IBM
Operating Systems and You: Becoming a Power User — Coursera	Google
Database Design and Basic SQL in PostgreSQL — Coursera	University of Colorado Boulder
Introduction to Embedded Systems Software and Development Environments — Coursera	University of Colorado Boulder