

Bharath D B

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Objective

Aspiring Software Developer with expertise in **C++**, **Data Structures** and **MERN stack development**. Passionate about solving complex problems and building scalable, efficient solutions.

Education

- **Bachelor of Engineering (GPA : 8.53)**
Dr Ambedkar Institute of Technology Bengaluru, Karnataka 2021-2025
- **PUC (Percentage : 90%)**
Bharathi PU college Madduru, Karnataka 2019-2021
- **SSLC (Percentage : 91%)**
Adarsha Vidyalaya (RMSA) Kanakapura, Karnataka 2019

Skills

Programming Languages: C++, Java, JavaScript, HTML, CSS, SQL, MongoDB, System Verilog, MATLAB.

Frameworks & Libraries: STL, SQLite, React, Express, Mongoose.

Tools & Technologies: VS Code, MySQL, Node-RED, Node.js, Swagger, Docker.

Platforms: MERN Stack, API Development, Cloud-based Deployment.

Soft Skills: Object-Oriented Programming (OOP), Problem-Solving, Data structures, System Design & Architecture.

Projects

- **Keyboard Attachments for Text Input in Different Indian Scripts** [link](#) August 2024 – September 2024
 - **Objective:** To design a USB keyboard interface that supports multiple Indian languages for text input.
 - **Technology:** Developed a custom keyboard interface using Raspberry Pi Pico for regional language support.
- **Optical character recognition using tesseract and aksharajaana with openCV** October 2024 - January 2025
 - **Objective:** Develop an Optical Character Recognition (OCR) system using OpenCV and Tesseract, integrated with a web interface for user input and display of extracted text. Additionally, feed extracted text into an SQL database to be processed by OpenAI for generating related information.
 - **Technology:**
 - ✓ **OpenCV:** For image preprocessing and feature extraction.
 - ✓ **Tesseract/aksharajaana:** For performing OCR on pre processed images.
 - ✓ **Web Interface:** For user-friendly input and display of extracted text.
 - ✓ **SQL Database:** For storing extracted text and related data..
- **Strapi-Blog** [link](#) February-2025
 - ✓ **Built using Strapi and React.**
 - ✓ Designed a website for adding posts, thoughts, and articles related to various categories.
 - ✓ Individuals can add blog topics and explore other blogs.
 - ✓ The deployed version is available.
- **MovieXplore** [link](#). <https://movie-xplore.vercel.app/> March-2025
 - ✓ The deployed version is available.
 - ✓ Developed a web application to explore movies.
 - ✓ **Technology:** Built using React with Vite.
- **Drag and Drop** [link](#)
 - ✓ Developed a full-stack cloud storage application.
 - ✓ Backend built with **Express.js**, **Mongoose**, and **Multer** for efficient file handling and storage.
 - ✓ Features include drag-and-drop file upload, file preview, and generation of secure shareable links.

Experience

- ✓ **Hackathon Participant – Keyboard Attachment for Indian Scripts** [certificate](#) August 2024- September 2024
 - Developed a USB keyboard interface using Raspberry Pi Pico for text input in multiple Indian languages.(regional language support).
 - Received positive feedback for innovation and usability during the hackathon.
 - **Technology :** C make ,C programming, C++,Raspberry PI.
- ✓ **Cymbeline innovation pvt ltd , Bengaluru** [intern](#) February 2025-Present
 - Working as an Application Developer, contributing to the development of enterprise-grade applications and services
 - Working on various technologies related to Full Stack Development.
 - I am working on various industry projects.

Courses

- Java and C++ Complete Course for Beginners — Udemy, 2022. [certificate](#)
- Web development complete course- RINEX (11/2024-1/2025) [certificate](#)