

SHASHANK B S

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OBJECTIVES

To leverage my strong foundation in computer science and full-stack development to build efficient, scalable solutions. I enjoy tackling challenging problems, thrive in high-pressure situations, and bring strong leadership and teamwork abilities to every project. I aim to continuously grow while contributing innovative ideas to solve real-world challenges.

EDUCATION

B.E., Computer Science and Engineering

Visvesvaraya Technological University
Adichunchanagiri Institute of Technology, Chikkamagaluru

May 2025

8.9 CGPA

PUC Science, PCMB

BGS PU Science & Commerce College, Belur

July 2021

90 Percentage

SSLC

United Academy High School, Belur

April 2019

90 Percentage

TECHNICAL SKILLS

Programming Languages: Java

Front End Framework: HTML5, CSS3, JavaScript

Back End Framework: Node.js, Express.js

Database: MySQL, MongoDB

PROJECTS

Adaptive lightweight network on military target and object Detection TensorFlow, OpenCV, Python Dec 24 - Jan 2025

- This project focuses on detecting military targets in low-visibility environments using **deep learning**. It aims to enhance situational awareness and **defense capabilities** by accurately identifying camouflaged objects in real-time.
- Engineered a lightweight neural network with **TensorFlow** and **YOLOv5** for precise low-camouflage military target detection.
- Optimized image preprocessing and feature extraction using **OpenCV** for enhanced classification accuracy.
- Designed a **Python-Tkinter GUI** enabling real-time image upload and detection visualization.

ChartApp – Real-Time Chat Application JavaScript (MERN), Socket.IO, Cloudinary Jun 25 - Jul 2025

- ChartApp is a real-time **one-on-one** chat application designed to offer seamless communication with instant messaging, profile management, and user presence features. It aims to deliver a modern, responsive, and secure messaging experience using the **MERN stack**.
- Built a real-time one-on-one chat app using a complete **JavaScript tech stack** (MERN).
- Integrated user authentication (**JWT**), profile updates with **Cloudinary** image upload.
- Used **Socket.IO** for real-time messaging and seen status functionality.
- Developed **RESTful APIs** with Express and secure user/session handling on **Node.js** backend.
- Designed a clean, responsive React frontend with Context **API** and **Axios** for state and data handling.

Brain Tumor Detection Flask, OpenCV, Python

Apr 24 - May 2024

- This project focuses on detecting brain tumors from **MRI scans** using image processing techniques. It aims to assist medical professionals by automating early-stage tumor detection through a user-friendly web application.
- Developed a web app using **HTML**, **CSS**, and **Flask** for BrainTumor Detection with **OpenCV** and **Python**.
- Implemented image processing features for accurate tumor detection and a user-friendly interface.

Event Management System HTML, CSS, PHP

- This project aims to simplify the organization and management of events by providing an **online platform** for registration, scheduling, and administration. It allows both users and admins to manage events efficiently through a secure, role-based system.
- Developed an event management system using **HTML, CSS, PHP**, and **MySQL** to streamline event organization.
- Implemented user-friendly interfaces using HTML, CSS, and JavaScript.
- Designed and managed **backend** with PHP
- Integrated **MySQL** for data storage and retrieval.
- Enabled user authentication and role-based access control.

ACHIVEMENTS

- Submitted Technical Paper on the project 'Adaptive lightweight network on military target and object Detection' in **3rd International Conference on Knowledge Engineering and Communication Systems (ICKECS-2025)** at SJC Institute of Technology in Association with IEEE Bangalore Section, Participated and presented a paper.
- Completed a 70-hour **IEEE Philanthropy Program** aimed at upskilling government school teachers and empowering students in rural areas.
- Postman **API Fundamentals** Student Expert Badge by Postman
- Secured a 3-star **SQL badge** on **Hacker Rank** by successfully completing 50 diverse **SQL** challenges.
- Best Student Award – United Academy High School, Belur (June 2019): Awarded for **outstand in academic performance, leadership, and community service**; received a medal, certificate, and trophy from the principal during the annual day celebration in front of the entire school and parents.
- Volunteered as a student member of IEEE AIT Student Branch and actively contributed to organizing the **2nd IEEE International Conference on Advances in Information Technology (ICAIT-24)** by assisting in delegate coordination, technical setup, and on-site event management in collaboration with IEEE Bangalore Section.
- Successfully completed the InnoKNOWVEX **Campus Ambassador** Program as a **Marketing Intern**, earning a certificate for outstanding contribution. Recognized for dedication, promotional efforts, and impactful outreach during the internship.

INTERNSHIPS

Full Stack Web Development – e-Swara Technology

Oct 23 - Nov 2023

Completed a remote internship in **Full Stack Web Development** at e-Swara Technology, where I developed responsive web applications using **HTML, CSS, JavaScript**, and integrated **backend functionalities** with **PHP** and **MySQL**. Gained hands-on experience in building user interfaces, form handling, and database operations.

Java Full Stack – Skyllx Technology

26th May to present

Currently enrolled in **Java Full Stack** training at Skyllx Technologies, BTM Layout, Bengaluru. The program **covers core Java, Spring Boot, Hibernate**, front-end technologies, and hands-on project development for full-stack applications.

LANGUAGES

- English – Fluent (Professional working proficiency)
- Hindi – Fluent (Professional working proficiency)
- Kannada – Native speaker

HOBBIES

- Swimming
- Reading Books