

PURUSHOTHAM E

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GitHub: <https://github.com/purushotham2628>

LeetCode: <https://leetcode.com/u/Purushotham2628/>

Portfolio: <https://portfolio-purushotham-valipi.vercel.app/>



CAREER OBJECTIVE

Aspiring Software Development Engineer with a strong foundation in Data Structures and Algorithms, full-stack web development, and scalable application design. Proven ability to deliver real-world projects, solve complex problems, and contribute to innovative software solutions.

EDUCATION QUALIFICATION

- **Bachelor of Engineering – Information Science & Engineering**
CMR Institute of Technology, AECS Layout, Bangalore
8.09, 2026 [Pursuing]
- **12th standard – Science (PCMB)**
Sahyadri PU College, Kolar
92.8%, 2022
- **10th standard**
SBVN School, Srinivasapura, Kolar
94.8%, 2020

TECHNICAL SKILLS

Languages: Java(DSA), Python, C, JavaScript

Web: HTML, CSS, Node.js, Express.js, React.js, REST APIs

Databases: MongoDB, MySQL

Tools & IDEs: VS Code, Jupyter Notebook, Eclipse, Git, GitHub, Postman

Data Tools: Power BI, Excel, Tableau

DevOps Tools: Jenkins, Git Bash

Cloud: AWS (basic knowledge of EC2/S3)

PROJECTS

- **Salon Appointment Booking System**
 - **Description:** Developed a salon app to manage appointments, customers, and services with features to prevent booking overlaps using real-time validations. Built a responsive UI for easy bookings, integrated Nodemailer for appointment confirmations, and secured client data using SQLite. The application is deployed online to ensure smooth performance and includes feedback collection to improve user experience.
 - **Tech Stack:** HTML, CSS, JavaScript, Node.js, Express.js, SQLite, Nodemailer
 - **Live Demo:** <https://salon-appointment-system-purush.onrender.com/>
- **Air Quality Monitoring Dashboard**
 - **Description:** Created a real-time dashboard for Bengaluru's air quality and weather by consuming OpenWeatherMap API data. The frontend features animated visualizations and is fully responsive, while the Node.js backend serves live data trends with health suggestions. The system is deployed online with continuous monitoring to ensure accuracy.
 - **Tech Stack:** Node.js, Express.js, JavaScript, HTML, CSS, Chart.js
 - **Live Demo:** <https://air-quality-bengaluru.onrender.com/>

- **Fitness & Diet Tracker**

- **Description:** Developed a full-stack fitness and diet tracking web app featuring session-based authentication and logging of workouts and meals. Integrated the Nutritionix API for meal data and included community features alongside automated weekly email reports using Node-cron. The UI includes charts for progress visualization. APIs were validated with Postman.
- **Tech Stack:** React.js, Node.js, Express.js, SQLite, Nutritionix API, Nodemailer, Recharts, Node-cron
- **Live Demo:** <https://fitness-diet-app.onrender.com/>

- **AI Health Symptom Checker & Doctor Finder (Ongoing)**

- **Description:** Building a web app leveraging Google Gemini AI for symptom analysis and Google Maps API to locate nearby doctors. The app includes Firebase Authentication for secure login and stores user health queries in MongoDB Atlas. The interface is simple and designed for quick health suggestions and easy doctor access. Additional features like health tracking and personalized tips are in development.
- **Tech Stack:** React.js, Node.js, Express.js, MongoDB, Firebase, Google Gemini AI, Google Maps API

CO-CURRICULAR & EXTRA CURRICULAR ACTIVITIES

- **Patents & copy rights:** Contributed to a published patent titled "IoT-Driven Tamper-Evident Sealing and Monitoring System for Secure Package Delivery" filed under IP India, 2024.
- **Certifications & Online Courses:**
 - Advance Java Basics- Udemy
 - Artificial Intelligence with Python (Intermediate Level)-Infosys
 - HTML and CSS Course- Coursera
 - DevOps- More than Just Dev & Ops-Infosys
 - Full Stack Web Development-Udemy
 - JavaScript Practical Crash Course- Udemy
 - AWS Essentials- Udemy
- **Sports**
 - Active Kabaddi player, also play Cricket, Chess, and Shuttle.

ACHIEVEMENTS

- Contributed to a **published patent: "IoT-Driven Tamper-Evident Sealing and Monitoring System for Secure Package Delivery"**, filed under **IP India, 2024**.
- Solved **100+ problems** on LeetCode, demonstrating strong **DSA skills using Java**.
- Developed and deployed **4+ real-world software projects**, including full-stack web applications.
- Completed **7+ certifications in Web Development, DevOps, and AI**, showcasing continuous learning.
- Represented **Chikkaballapur Division in state-level kabaddi competition** conducted by **BGS Group of Institutions**.

PERSONAL DETAILS

Date of Birth : 16th September, 2004
Gender : Male
Nationality : Indian
Permanent Address : Hodali Village, Srinivasapura Taluk, Kolar District, Karnataka, 563138
Linguistic Competency : Kannada, Telugu, English, Hindi
Hobbies : Playing video games, watching movies and series