

# DHANUSH GOWDA B U

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## PROFESSIONAL SUMMARY

Aspiring Software Engineer with strong skills in Java, C, MERN stack, and problem-solving using Data Structures & Algorithms (DSA). Hands-on experience in building AI, robotics, computer vision, and scalable full-stack applications, with a focus on design excellence and real-world impact. Built scalable software with robust code and Agile teamwork.

## EDUCATION

- B.Tech in Computer Science & Engineering | Presidency University, Bangalore CGPA: 8.67 | **2022 – 2026**
- Pre-University Course (PUC) | Widia Poorna Prajna PU College, Bangalore Percentage: 90.33% | **2020 – 2022**

## SKILLS

- Programming Languages:** Java, C, Python, JavaScript
- Web Technologies:** MERN stack (MongoDB, Express.js, React.js, Node.js), HTML5, CSS3, RESTful APIs
- Databases:** MySQL, MongoDB
- Core CS:** Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP), Operating Systems, Database Management Systems, Computer Networks
- Platforms & Tools:** Git, GitHub, Arduino, OpenCV

## PROJECTS

- Wanderlust – Travel Blog App (Node.js, Express, MongoDB, EJS):**  
Developed a full-stack MVC-based travel blog with secure authentication, RESTful APIs, and MongoDB indexing, reducing page load times by 30% for content-heavy pages. Deployed to the cloud, ensuring high availability, scalability, and a seamless media-rich user experience.
- Food Delivery App (Java, SQLite):**  
Created a Java-based mobile food ordering app with token-based authentication and optimized SQLite queries, cutting menu load time by 30%. Enabled scalable management of 500+ items with smooth order processing.
- AI-based Crowd Estimation System (Python, OpenCV):**  
Developed a real-time crowd detection system achieving 92% accuracy with <0.5s latency, optimizing public transport and reducing peak-hour wait times by 15%.
- Spider Robot (Arduino):**  
Built a six-legged autonomous Arduino robot with a tripod gait algorithm and ultrasonic sensors, improving stability by 25% on rough terrain for defence surveillance.

## EXPERIENCE

- Infosys Springboard | AI/ML Virtual Internship**  
*AI Intern* **Aug 2025 – Present**
  - Developing Python-based AI/ML mini-projects involving data preprocessing, model training, and evaluation.
  - Implementing and testing machine learning models, enhancing accuracy and scalability for seamless real-world integration.
- UpToSkills | Web Development Virtual Internship**  
*Web Development Intern* **Jun 2025 – Aug 2025**
  - Built responsive, accessible web applications using the MERN stack and RESTful APIs, ensuring a modular, maintainable code structure.
  - Collaborated in a 3-member Agile team to design and implement new features, resulting in a 15% improvement in backend API performance and enhanced UI responsiveness.

## ACHIEVEMENTS & CERTIFICATIONS

- Participated in hackathons (e.g., Smart India Hackathon), developing solutions for real-world public problems, and took part in Scaler coding competition for regional qualifiers.
- Certificates:** NPTEL – Java Programming, DSA Using Java (CodeChef), Web Development (Udemy), AI Fundamentals (GUVI), Infosys Power Programmer (Forage), TCS iON Career Edge – Young Professional.