

DARSHAN P

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SUMMARY

Software Engineering undergraduate skilled in building **scalable applications** using **Python, JavaScript, Java, C++, HTML, and CSS**. Developed **full-stack, AI-powered, and data-driven projects** integrating REST APIs, databases, and responsive interfaces. Strong focus on writing **clean, maintainable code**, optimizing performance, and delivering **secure solutions**.

EDUCATION

Bachelor of Engineering – Computer Science & Engineering

Aug 2022 – Present (Expected Jun 2026)

Nagarjuna College of Engineering & Technology (NCET), Bengaluru

CGPA: 8.8 / 10.0

EXPERIENCE

Software Intern | Preflex Solutions Pvt. Ltd., Bengaluru

Nov 2025 – Present

- Supported **application design and development** of full-stack features using **React.js, Python, MySQL, and PostgreSQL**.
- Developed and maintained **technical and functional documentation** for APIs and system components.
- Assisted in **code development, unit testing, and validation** to ensure reliable system performance.
- Worked closely with cross-functional teams while following defined operational processes.

Backend Developer Intern | Nagarjuna Tech Solutions, Bengaluru

Jan 2025 – Apr 2025

- Supported delivery of backend technology capability by developing **30+ REST APIs** using **Node.js and MongoDB**.
- Assisted in understanding **business and functional requirements** and translating them into backend logic.
- Created and executed **test data and API test scripts** using Postman, reducing integration defects by **30%**.
- Participated in **Agile sprint cycles**, adhering to defined development processes and tools.

PROJECTS

Multi-Role Food Ordering System

Node.js, Express, MongoDB, React.js

- Designed and implemented a **3-role system (Admin / Seller / User)** with role-based access control.
- Supported **application workflow design**, order processing, and system validation.
- Created analytics dashboards to provide **data-driven insights** into order trends and system usage.

Voice Converter – Real-Time AI Translation System

Next.js, React, FastAPI, Python, WebSocket

- Developed a **real-time speech transcription and translation system** with low-latency audio streaming using WebSockets.
- Optimized **PCM audio processing** using **AudioWorklet** and adaptive silence detection (**30% bandwidth improvement**).
- Integrated and evaluated **offline AI models** (Whisper AI, Argos Translate, Piper TTS) supporting **8+ languages**.

HealthCare – AI-Powered Mental Health Platform

Node.js, React, Python, Flask, MongoDB

- Built a full-stack mental health platform featuring AI chatbot, emotion analysis, and personalized wellness support.
- Integrated NLP and Transformer-based models for emotion detection and context-aware conversations.
- Implemented JWT-based authentication and REST APIs for secure, role-based access.

SKILLS

- Languages:** JavaScript, Python, Java, C++
- Backend & Systems:** Node.js, Express.js, REST APIs, Flask
- Frontend:** React.js, HTML, CSS, EJS
- Databases:** MongoDB, MySQL
- AI & ML:** NLP, Transformers, LangChain, Pandas, NumPy
- Tools:** Git, GitHub Copilot, Google Cloud, Postman, VS Code
- Core Concepts:** OOPs, MVC, Unit Testing, Networking
- Soft Skills:** Communication, Teamwork, Time Management

ACHIEVEMENTS

- Won Best Major Project Award** for “Aerlogisim”, securing **1st Prize** at department and inter-department levels.
- Solved **300+ DSA problems** on LeetCode and GeeksforGeeks.
- Published a **Scopus-indexed research paper** on AI Chatbots (ICKECS 2025).
- Red Hat Ambassador – NCET.

CERTIFICATIONS

- ServiceNow Certified System Administrator (CSA)** – ServiceNow.
- ServiceNow Certified Application Developer (CAD)** – ServiceNow.
- Data Structures & Algorithms** – GeeksforGeeks.
- Python Programming Certification** – Red Hat.
- Oracle Certified Foundations Associate** – Oracle.