

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 Nagarjuna College of Engineering & Technology (NCET), Bengaluru CGPA: 8.8 / 10.0	Aug 2022 – Present (Expected Jun 2026)
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EXPERIENCE

Software Intern Preflex Solutions Pvt. Ltd., Bengaluru • 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.	Nov 2025 – Present
Backend Developer Intern Nagarjuna Tech Solutions, Bengaluru • 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.	Jan 2025 – Apr 2025

PROJECTS

Multi-Role Food Ordering System • 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.	<i>Node.js, Express, MongoDB, React.js</i>
Voice Converter – Real-Time AI Translation System • 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 .	<i>Next.js, React, FastAPI, Python, WebSocket</i>
HealthCare – AI-Powered Mental Health Platform • 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.	<i>Node.js, React, Python, Flask, MongoDB</i>

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 “**Aerlogism**”, 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.