

NAVIN B

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PROFESSIONAL SUMMARY

Software Engineer specializing in backend and data-driven systems, with hands-on experience in Python, Django, and distributed data management. Skilled at developing high-performance, low-latency applications, optimizing data retrieval by 25% and improving backend throughput by 40%.

SKILLS

Programming Languages	Python (Advanced), Dart (Working)
Frameworks	Django, Flask, Streamlit
Database	MySQL, PostgreSQL, MongoDB
Concepts	OOP, DSA, RESTful APIs, Git
Tools	Postman, Railway, Vercel
Soft Skills	Analytical Thinking, Problem Solving, Collaboration, Time Management

EXPERIENCE

- 114 AI Innovation LLP - Backend Developer Intern** *Jan 2025 – Jul 2025*
Developed AI-powered healthcare backend using Django and Mistral AI, achieving 92% classification accuracy.
- Maestrominds - Application Developer Intern** *Mar 2025 – Apr 2025*
Built a Django + Flutter app for TNAPEx, improving usability by 40% through intuitive UI.
- Zootoca Technologies - Web Developer Intern** *Jun 2024 – Jul 2024*
Enhanced API response times and optimized backend workflows, boosting performance by 35%.

PROJECTS

- Neural Network from Scratch** *Python, NumPy, Pandas, Matplotlib* *Aug 2025 – Sept 2025*
 - Built a feedforward neural network entirely from scratch using NumPy and Pandas, achieving 86% accuracy on classification tasks.
- PDF Chat - RAG** *Python, Flask, RAG, Mistral AI, REST API* *Apr 2025 - May 2025*
 - Created a document-QA chatbot using Retrieval-Augmented Generation with vector indexing, achieving 92% answer relevance.
- AI-Powered Healthcare App** *Python, Flutter, Flask, Pandas, MongoDB* *Jan 2025 - Mar 2025*
 - Designed a scalable AI-powered healthcare platform to improve patient-doctor connectivity by 40%.
 - Built end-to-end system to detect diseases from reports and image symptoms and achieved accuracy rate of 82%.

EDUCATION

BTech - Artificial Intelligence and Data Science, Sri Sairam Engineering College 2022 - 2026
CGPA: 8.43

ACTIVITIES

- Certifications: Data Science for Engineers, Digital Image Processing, Reinforcement Learning, Design & Implementation of Human-Computer Interfaces, ICT Academy Learnathon 2024.
- Awards/Achievements: 5× Hackathon Winner, Ranked among the Top 3 Overall and Top 1 in Department on the Skillrack Coding Platform.
- Runner up - Innovation for Defense Excellence DISC X Challenge.
- Coding Proficiency: [Skillrack](#) (Top 600), [LeetCode](#), [IEEEExtreme 18.0](#) (Ranked Top 200 in India).