

# NAVIN B

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## SUMMARY

Aspiring Backend Development Engineer with expertise in Python, Django, and AI-driven applications. Achieved a 40% efficiency boost in system performance and improved data retrieval by 25% through optimized backend solutions. Enhancing AI-powered platforms with 90% accuracy for real-time analysis. Passionate about leveraging technology to contribute to mission of delivering secure, scalable, and high-performance solutions.

## SKILLS

- Programming Languages: Python, C++, Dart
- Frameworks: Django, Flask, Pymongo, Pyttsx3, Streamlit.
- Databases: MongoDB, SQL.
- Technologies: App Development, Back-end Development.
- Concepts: OOP, Data Structures & Algorithms, RESTful APIs, Git, GitHub, Postman.
- Dev Practices: Agile Methodology, Git-based CI/CD, Cloud Deployment (Vercel, Railway, Render).
- Soft Skills: Problem Solving, Critical thinking, Self-learning, Adaptability, Team Player.

## PROFESSIONAL EXPERIENCE

### Backend Developer Intern, 114 AI INNOVATION LLP

01/2025 - 07/2025

- Contributed to AI-based healthcare solutions by integrating Mistral AI with scalable backend systems, achieving optimized classification and response generation.

### Application Developer Intern, MAESTROMINDS

03/2025 - 04/2025

- Built a Django + Flutter web app for TNAPEX, improving usability by 40%.
- Reduced screen development time by ~30% using GitHub Copilot.

### Web Developer Intern, Zootoca Technologies

06/2024 - 07/2024

- Enhanced API response times and optimized backend workflows, boosting performance by 35%.

## PROJECTS

### AI-Powered Healthcare App

Python, Flask, RAG, Git, Vercel, Railway

06/2025 - 07/2025

- Created the backend of a personal portfolio website with an integrated RAG-based AI chatbot.
- Adapted a responsive React template sourced from GitHub and customized it for personal branding.

### PDF Chat - RAG

Python, RAG, Mistral AI, Streamlit, weaviate

04/2025 - 05/2025

- Developed a document question-answering system using Retrieval-Augmented Generation (RAG).
- Used Ollama's Mistral LLM for generation, driven by top-k similarity-based document retrieval.

### AI-Powered Healthcare App

Python, Flutter, Flask, Pandas, MongoDB

01/2025 - 03/2025

- Built a scalable AI-powered healthcare platform using Python, Flask, and Pandas for medical report analysis.
- Improved patient-doctor connectivity through efficient web-based UI integration (Flutter frontend).

## EDUCATION

### BTech - Artificial Intelligence and Data Science

Sri Sairam Engineering College

10/2022 - 06/2026

CGPA - 8.45

### HSC (Higher Secondary Certificate)

Seventh Day Adventist School

06/2021 - 05/2022

Marks - 527/600 | Percentage - 87.83%

## ADDITIONAL INFORMATION

- Languages:** English (Fluent), Tamil (Fluent).
- Certifications:** Data Science for Engineers, Digital Image Processing, Reinforcement Learning, Design & Implementation of Human-Computer Interfaces, ICT Academy Learnathon 2024.
- Awards/Activities:** 5x Hackathon Winner, Ranked in the top 3 overall and among the top 1 department-wise in the coding platform Skillrack.  
Runner up - Innovation for Defence Excellence DISC X Challenge.
- Coding Proficiency:** [Skillrack](#) (Top 700), [Leetcode](#), [IEEEExtreme 18.0](#) (Ranked Top 200 in India),