

NAVIN B

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SUMMARY

Results-driven and innovative professional with a strong foundation in Artificial Intelligence, Backend Systems, and Full-Stack Software Development. Experienced in designing and deploying impactful projects. Adept at combining technical expertise with creative problem-solving to build scalable applications. Proven ability to lead technical initiatives, collaborate across teams, and deliver user-focused solutions. Passionate about leveraging technology to solve real-world problems, continuously learn, and contribute to high-impact, forward-thinking organizations.

SKILLS

- Languages: Python, C++, Dart, Html, CSS, JavaScript (Basics)
- Frameworks & Libraries: Flask, Django, Streamlit, OpenCV, Pyttsx3, Pymongo, Pandas
- Databases: MongoDB, Firebase
- Development Areas: Backend Development, REST API, Automation
- Tools & Platforms: Git, GitHub, GitLab, Postman, Flutter
- Concepts: OOP, Data Structures and Algorithms, Version Control
- Bonus Exposure (Beginner): AI Integration, Natural Language Processing, Docker

PROFESSIONAL EXPERIENCE

Backend Developer Intern, 114 AI INNOVATION LLP

01/2025 - 04/2025

- Designed an ICD code matching system, solving the real-world medical mapping issues by leveraging NLP techniques and Mistral AI, achieving 91% accuracy in automated ICD code classification.

Application Developer Intern, MAESTROMINDS

03/2025 - 04/2025

- Designed and developed a scalable mobile application for TNAPEX using a Python (Django) backend, Flutter frontend, and Firebase integration, resulting in a 40% increase in usability and performance.

Web Developer Intern, Zootoca Technologies

06/2024 - 07/2024

- Enhanced backend system efficiency by 35% through optimization and contributed to improving web API responsiveness for frontend integration.

PROJECTS

AI-Powered Healthcare App

[PROJECT LINK](#)

01/2024 - 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).

ICD Code Matching System

[PROJECT LINK](#)

12/2024 - 01/2025

- Developed a backend system using Python-Django to automate ICD code assignment from patient data.
- Implemented NLP techniques and leveraged Pandas for structured data processing, achieving 91% accuracy.

EDUCATION

BTech - Artificial Intelligence and Data Science

10/2022 - 06/2026

Sri Sairam Engineering College

CGPA - 8.45

HSC (Higher Secondary Certificate)

06/2021 - 05/2022

Seventh Day Adventist School

Marks - 527/600 | Percentage - 87.5%

ADDITIONAL INFORMATION

- **Languages:** English (Fluent), Tamil (Fluent), Japanese (Basic).
- **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 - Ideathon3.0, Solveathon3.0, Innovathon3.0 SDG based Competition, Genesis 1.0 (IEEE HKN Nu Eta) and Infoculture Fiesta Hackathon (NDLI).
Runner up - Innovation for Defence Excellence DISC X Challenge.
- **Coding Proficiency:** [Skillrack](#) (Top 700), [Leetcode](#), [IEEEExtreme 18.0](#) (Ranked Top 200 in India),