

NAVYASHREE N

Software Development Engineer

Bengaluru, Karnataka, India | navyashreensgr@gmail.com | +91-XXXXXXXXXX
linkedin.com/in/navyashree-n-7bbab2280 | github.com/Navyangsr | navyashreensportfolio.netlify.app

SUMMARY

Computer Science Engineering graduate (9+ SGPA) with hands-on experience building and deploying machine-learning models end-to-end - from data cleaning and EDA to models served via REST APIs (Flask/FastAPI). Strong in Python and a solid foundation in Data Structures & Algorithms. Data Science intern at Oasis Infobyte and Prodigy InfoTech; Oracle Certified Generative AI Professional and AWS Academy Cloud graduate. Seeking a Software / ML Engineer role to build reliable, data-driven systems.

TECHNICAL SKILLS

Programming Languages: Python, Java, C++, JavaScript, SQL

Machine Learning & Data Science: scikit-learn, Pandas, NumPy, NLP, Regression & Classification, EDA, Jupyter

Backend & APIs: Flask, FastAPI, REST APIs, Model Deployment

Web: HTML, CSS, JavaScript

Databases: MySQL, SQL, SQLite

CS Fundamentals: Data Structures & Algorithms, Object-Oriented Programming, System Design (fundamentals)

Cloud & Tools: AWS (Academy - Cloud Foundations, Cloud Security), Git, GitHub

Practices: Agile, Debugging, Version Control, Open Source Contribution

EXPERIENCE

Project Associate - IITM HTIC MedTech Incubator (IIT Madras), Chennai

June 2026 - Present

- Build and maintain software components for medical imaging-technology products at IIT Madras' Healthcare Technology Innovation Centre.
- Collaborate with a cross-functional research and engineering team using Git-based workflows to turn prototypes into production-ready software.
- Write clean, testable code and debug modules to improve reliability and maintainability.

Project Intern - IITM HTIC MedTech Incubator (IIT Madras), Chennai

February 2026 - June 2026

- Developed and tested software modules for medical imaging projects using Python.
- Applied DSA and problem-solving to optimize processing logic for research-driven tasks.

Data Science Intern - Oasis Infobyte (Remote)

March 2025 - July 2025

- Built end-to-end machine learning projects in Python: data cleaning, feature engineering, model training, and evaluation.
- Delivered multiple documented, reproducible project submissions with data visualization.

Data Science Intern - EliteTech Intern (Remote)

March 2025 - April 2025

- Implemented ML and data-analysis solutions in Python using Pandas and scikit-learn.
- Produced reproducible notebooks and clear result documentation for evaluation.

Student Intern - Prodigy InfoTech (Remote)

October 2024 - April 2025

- Completed a structured series of software and data projects using Python and JavaScript.

- Strengthened core programming, DSA, and Git version-control skills through hands-on tasks.

Community & Program Involvement

- Google for Developers - Google Cloud & NVIDIA Community Member (Jul 2025 - Jun 2026).
- Infosys Springboard - Cohort Season 6 Intern (Jul 2025 - Nov 2025).
- Internshala - Student Partner: led campus outreach, workshops, and webinars (Jul 2025 - Nov 2025).

PROJECTS

Data Science Projects - Oasis Infobyte Internship | github.com/Navyansgr

- Email Spam Detector: applied NLP text vectorization with a Logistic Regression model to classify emails, achieving 95% accuracy.
- Car Price Prediction: performed EDA and trained a regression model, then served predictions through a Flask web app.
- End-to-End Housing Pipeline: built a Random Forest regressor with preprocessing and deployed it as a REST API using FastAPI.
- Tech: Python, scikit-learn, Pandas, NumPy, Flask, FastAPI, Jupyter.

AI-RFID Navigation Assistant - Assistive Tech | github.com/Navyansgr/AI-RFID-Navigation-Assistant

- Built an assistive navigation system for visually impaired users using RFID tags at points of interest and a portable reader that triggers real-time, location-based audio alerts.
- Tech: C++, Python, RFID.

EV Efficiency - DC Generator Energy Recovery | github.com/Navyansgr/ev-efficiency-dc-generator

- Modeled an energy-regeneration system for electric vehicles integrating a 2.5 kW DC generator to recover kinetic energy and extend driving range.
- Tech: Python.

PetCare - Pet Care & Management Platform | github.com/Navyansgr/your_first_kid

- Developed a responsive web platform for pet owners to manage pet profiles, health/vaccination reminders, grooming, and nutrition; deployed with a live demo.
- Tech: HTML, CSS, JavaScript.

EDUCATION

Bachelor of Engineering - Computer Science | 9+ SGPA

AMC Engineering College (Visvesvaraya Technological University), Bengaluru | 2022 - May 2026

CERTIFICATIONS

- Oracle Certified Generative AI Professional (2025).
- AWS Academy Graduate - Cloud Foundations; AWS Academy - Cloud Security Foundations.
- UiPath Certified Professional - Automation Developer Associate.
- Cisco - Networking Basics; Accenture Nordics - Software Engineering Job Simulation.

ACHIEVEMENTS & LEADERSHIP

- Top 10 finalist across 3 ideathons and 2 hackathons for innovative, team-based problem-solving.
- Best Presented Paper Award at an International Conference.
- GSSoC '25 Open-Source Contributor | SheFi Scholar '25 | Aspire Awardee '25.
- Google Developer Group (GDG) Team Member | Guinness World Record 2025 participant.