

NAVYASHREE N

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Career Objective

I'm Navyashree — a passionate 3rd-year Computer Science Engineering student at AMC Engineering College, consistently maintaining a 9+ SGPA. I'm an AWS Certified Cloud Practitioner, driven by curiosity, confidence, and a relentless pursuit of growth. My technical journey encompasses proficiency in Python, Data Structures & Algorithms, Full Stack Development, and Data Science. I've completed impactful internships at EliteTech, Intern Oasis Infobyte, and Prodigy Infotech, where I translated academic knowledge into practical solutions. Beyond academics, I've been recognized among the Top 10 in 3 ideathons and 2 hackathons, reflecting my innovative problem-solving skills. A highlight of my academic endeavors includes presenting a research paper at an international conference, earning the Best Presented Paper Award. Currently, I'm undertaking a 100 Days of Python (Professional-Level Coding Challenge), continually pushing my boundaries. My strengths lie in my unwavering confidence, effective communication, and a proactive approach to challenges. I'm eager to connect with like-minded professionals and explore opportunities that allow me to contribute and grow in the tech realm..

Skills

python

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Web Development

DataScience

AWS,Azure

Fullstack

matplotlib,numpy

PowerBI

UI-UX design

pytorch

prompt engineering

AI-ML

Education

Institution	Degree	Grade	Year
govt High School maruthipura	SSLC	94.24	2020
girls independent PU College Sagara	PU	90	2022
AMC Engineering college,Bengaluru	B.E CSE	9.4	2026

Experience

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data-Science Intern

2024-07-01 - 2024-07-31

- one month Hands on experience as datascience intern with creating the datascience project

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Datasceince Intern

2025-03-03 - 2025-04-17

- as a datascience intern at elitech built projects for real world application

- As a datascience intern at OIB got the star performer because of the exceptional performance and skills

LearnSmart-AI-enhanced learning and career hub for Engineering Students

Frontend-
React.js,Tailwind
CSS,React Router

Backend-
Node.js+Express.js

Chatbot-chatgpt
web integration

tools-
Git,Github,EmailJS(for
contact form)

- designed and developed LearnSmart,A responsive web platform tailored for Engineering students to access curated learning resources,top youtube links,interview prep materials,and internship opportunities.integrated a custom AI chatbot to assist users for the queries.enabled a contact form with realtime email support using Email.js

Energze 2.0 :AC-DC hybrid leap for EV Evolution

Embedded
Systems and
Microcontrollers-
for Realtime
control and
power regulation

DC
Generator
System-
custom
built

Data
analytics(Python
and excel)-for
performance
analysis

CAD
Tools-
integrating
modules

matlab-
simulating
energy
conversion

powerBI-
performance
visualization

- this project is designed to revolutionize eV's by enhancing their range efficiency and sustainability.unlike conventional regenerative breaking,energize 2.0 continuously recycles energy and convert it back to mechanical Energy to assist EV motors.

waste-not-wizard:your smart Hub for Zero Waste Kitchen

IOT Layer-
Sensors

AI-expiry
prediction

Voice-enabled for
hands free use

web tech for dashboard for
sustainability monitoring

- this project is mainly formed to address real world issues in daily household.1.3 billion tons of food wasted annually,our product will do smart tracking with RFID and weight sensors and generate receipe for meals with ingredients in fridge with AI,hyperlocal app to donate surplus food and also sustainability Dashboard to track the waste reduction

AI powered RFID navigation Assistant for the visually Impaired

RFID tags
and
reader
modules

arduino-to
interface the
RFID
hardware

text-to-speech API's-for
coverting text
information into audible
messages

python-for logic
and
microcontroller
programming

cloud -to
dynamically
update tag-
location
mapping

- this project is an assistive navigation system designed to empower visually impaired individuals ,especially in tourist location.the system uses the RFID technology to provide realtime location based audio alerts.RFID cards are placed at key points of interests.and blind user carries a portable RFID reader intergated with a mobile device or speaker.as the user moves around the reader detects RFID tags and deliver voice messages.helping them understand where they are enabling independent and safe exploration

predictive maintainance of industrial equipement using TGNN

TGNN-to model
equipement

Graph representation
learning-

IOT sensors and
time-series data

ML
framework

database
management

components

representation as
graph

processing

system

- Developed a predictive maintenance system for industrial equipment ,using TGNN to model interactions between components and forecast failures.built ML model using Pytorch Geometric and DGL to process temporal graph data and predict maintenance needs.processed time series data and performed feature engineering.

Accomplishments

- Finalist – Hackathon (Energize 2.0: AC-DC Hybrid Leap for EV Evolution) Proposed a hybrid EV system integrating DC generators and gear mechanisms to enhance energy efficiency and mileage. Ideathon Participant – AI for Social Good Designed an AI-powered Blind Navigation System using RFID and real-time voice feedback to support visually impaired individuals in public/tourist spaces. Paper Presentation – Predictive Maintenance using TGNN Presented a research paper on “Predictive Maintenance of Industrial Equipment using Temporal Graph Neural Networks (TGNN)”, leveraging temporal and relational data for fault detection. Open Source Contributor – GitHub Contributed to open-source projects in AI and cybersecurity by enhancing codebases, fixing bugs, and improving documentation. Founder – LearnSmart Platform Created a portal offering free curated courses, interview prep materials, and internship listings for engineering students. Volunteer – Technical Fest & College Events Coordinated logistics and assisted in organizing tech competitions, enhancing teamwork and event management skills. Participant – Environmental Awareness Workshop Engaged in sustainability practices and discussions around eco-friendly technologies and environmental responsibility. Marathon Finisher – College/City Event Completed a marathon promoting health, fitness, and community engagement. 100 Days Coding Challenge Completed a self-driven challenge solving DSA problems from top tech companies, covering Arrays, Trees, DP, Graphs, and more.
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