

MRIDUL NAVGOTRI

Software Engineer | AI & ML Enthusiast

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PROFESSIONAL SUMMARY

Software Engineer (2025 Graduate) specializing in **Full Stack Development (MERN)** and **Artificial Intelligence**. Practical experience in data analysis and model optimization, improving AI model accuracy by **18%**. Proficient in **Python, Java, and Cloud (AWS)**, with a proven ability to lead technical teams and build scalable web applications.

EXPERIENCE

Data Analyst Intern

Talent Glider, Indore

Sep 2025 – Nov 2025

- Performed data-driven UI/UX audits by analyzing user flow metrics from **20+ test subjects**, identifying key friction points.
- Leveraged analytical tools to quantify usability issues, implementing strategies that reduced task completion time by **8 seconds** per task.
- Synthesized user feedback data to drive a **15% increase** in verified user satisfaction scores.

AI & ML Intern (AICTE Collaboration)

Slash Mark, Remote

Jun 2024 – July 2024

- Collaborated with senior engineers on real-world AI projects, focusing on **ML algorithm selection** and data preprocessing.
- Optimized classification models through hyperparameter tuning, resulting in an **18% increase** in prediction accuracy.

Java Programming Intern

ANAHCRA INFOTECH PVT. LTD., Dewas

Jun 2023 – July 2023

- Led **code review sessions** for a 10-member team, enforcing strict coding standards which reduced critical bugs by **15%**.
- Developed a new core product module, increasing overall development efficiency by **20%** through optimized logic.

TECHNICAL SKILLS

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

Web Development: MERN Stack (MongoDB, Express, React, Node.js), Flask, HTML5, CSS3

Core Concepts: Data Structures & Algorithms, Machine Learning, NLP, REST API Integration, Web Security, UI/UX Design

Developer Tools: Git, VS Code, PyCharm, Jupyter Notebook, MATLAB, MySQL, Android Studio

ACHIEVEMENTS

- Ranked in the **Top 4 of 150+ students** at GeeksForGeeks Institute coding competitions.
- Earned **Python (Basic) Certification** from HackerRank, scoring in the **Top 10%** globally.

EDUCATION

B.Tech Computer Science (Hons.) AI & ML

United University, Prayagraj

2021 – 2025

KEY PROJECTS

Vedic-Book - Priest Booking Platform

Python, Flask, SQLAlchemy, JavaScript | Jan 2025 – May 2025

- Engineered a scalable full-stack platform capable of handling **100+ daily transactions** using **Flask & SQLAlchemy**.
- Implemented secure session-based authentication for the Admin Dashboard, reducing manual scheduling errors by nearly **100%**.

Bosom AI — Virtual Assistant

Python, Flask, SocketIO, Gemini | Jan 2024 – May 2024

- Architected a hybrid voice assistant enabling real-time streaming on mobile devices.
- Integrated 'Orchestrator' logic to route user intents to external APIs (Gmail, Wikipedia) with **90%+ accuracy**.
- Deployed via **Render** with headless **OAuth 2.0**, achieving response latency of **<3 seconds**.

CERTIFICATIONS

Cybersecurity Job Simulation

Deloitte Australia (via Forage) | July 2025

- Analyzed **1,000+ server logs** to identify security breaches and malware signatures.
- Detected **15+ suspicious activities** within a 6-hour simulation window.
- Drafted incident response reports for client communication during simulated attacks.

Human Robot Interaction Workshop

IIT-Allahabad | Nov 2022

- Explored **Industrial Automation** and AI robotics in a 5-day intensive workshop.
- Designed a prototype for Human-Robot Interface (HRI) and analyzed sensor data integration.

DEVELOPMENT PRACTICES

- **Code Quality:** Code Refactoring, Peer Reviews, Performance Tuning
- **Analysis:** Root Cause Analysis, Log Inspection, Data-Driven Optimization
- **Workflow:** Agile/Scrum Methodology, SDLC, Cross-Functional Collaboration