

MRIDUL NAVGOTRI

Software Engineer | AI & ML Enthusiast

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PROFESSIONAL SUMMARY

Software Engineer specializing in **Artificial Intelligence** and **Full Stack Development**. Developed 3+ machine learning projects in Python, optimizing a **classification model** to increase **prediction accuracy by 15%**. Proven ability to lead technical teams, streamline algorithms, and enhance UI/UX workflows.

EXPERIENCE

Data Analyst Intern

Talent Glider, Indore

Sep 2025 – Nov 2025

- Conducted rigorous UI/UX audits by personally testing user flows with **20+ users**, driving a **15% increase** in user satisfaction verified by post-test surveys..
- Conducted micro-interaction analysis using analytical tools to resolve **7 usability friction points**, accelerating task completion by **8 seconds per task**.

AI & ML Intern (AICTE Collaboration)

Slash Mark, Remote

Jun 2024 – July 2024

- Completed intensive internship focused on **Machine Learning (ML)** algorithms and data analysis.
- Collaborated with senior AI professionals on real-time projects, enhancing **model accuracy by 12%** through **algorithm optimization**.

Java Programming Intern

ANAH CRA INFOTECH PVT. LTD., Dewas

Jun 2023 – July 2023

- Spearheaded **Java code reviews** for a team of 10 developers, enforcing strict coding standards and reducing bug counts by **15%**.
- Developed and innovated a new module for the core product, resulting in a **20% increase** in development efficiency.

TECHNICAL SKILLS

Languages: Python, Java, C/C++, JavaScript (ES6+), SQL

Web Development: React.js, Node.js, Express.js, MongoDB (MERN Stack), 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** using **Python (Flask)** & **SQLAlchemy** to handle **100+ daily transactions**.
- Deployed secure **Admin Dashboard** with **session authentication**, reducing manual scheduling errors by **100%**.
- Optimized frontend using **CSS3** & **JavaScript** for seamless **mobile accessibility**, digitizing data for **16 Vedic Sanskars**.

Bosom AI — Virtual Assistant

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

- Architected a **hybrid voice assistant** using **Flask-SocketIO** & **Gemini**, enabling real-time streaming for **iOS/Android**.
- Developed an **'Orchestrator' pattern** routing intents to **Gmail & Wikipedia APIs** with **90%+ accuracy** using **LLMs**.
- Engineered **headless OAuth 2.0** on **Render** for secure server-side email automation, reducing latency to **<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

IIIT-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