Neha Shinge

Experience in Data Analytics and applied Machine learning, with exposure to AI techniques through Internships, Projects, and Competitive Hackathons.

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EDUCATION

PDEA's College Of Engineering

Bachelors in Computer Engineering - SGPA -9.36 2022 - 2026

SKILLS

- **Programming Languages**: Python, SQL, C, C++, Java (Basics), HTML
- **Data Analysis & Visualization**: Microsoft Excel (Advanced), Power BI, Tableau
- **Machine Learning & NLP**: Scikit-learn, NLTK, Text Classification, TF-IDF
- **Libraries & Tools**: Pandas, NumPy, Matplotlib, Seaborn, Jupyter Notebook , Power Bi
- **Databases:** MySQL
- **Concepts:** Data Cleaning, Feature Engineering, Exploratory Data Analysis (EDA)

WORK EXPERIENCE

NextGen Analytix

Data Analytics Intern 01/2025 - 03/2025

- Applied data analytics to real-time datasets, uncovering key trends that improved business decisions by 20% through strategic data interpretation.Tools & Skills Used: Jupyter Notebook, Excel, Visual Studio, LeetCode | Python, SQL,

KultureHire

Data Analytics Intern 01/2025 - 01/2025

- Conducted exploratory data analysis on multiple datasets, identifying business patterns that enhanced **MIS reporting efficiency by 15%** and supported data-driven decisions.
- Tools & Skills Used: Excel, Power BI, SQL , Python

TechSaksham by Microsoft & SAP

AI Intern 11/2023 - 01/2024

- Developed a machine learning–based spam detection solution using text classification techniques to improve data quality and message filtering, gaining hands-on experience in data preprocessing and model evaluation.
- Tools & Skills Used: Python, scikit-learn, NLTK, Pandas

PROJECTS

IOT-Based Accident Detection and Alerting System

- Developed an IoT-based emergency response system using Arduino, GPS, GSM, and accelerometer sensors to detect vehicle breakdowns, accidents, and medical emergencies. Enabled real-time alerts to hospitals, police, and towing services, improving response time and highway safety

Detergent Sales Data Analysis

- Analyzed real-time detergent sales data to identify the cause of an annual sales drop and proposed actionable insights. Utilized Excel (Pivot Tables, Charts) and Power BI for trend visualization and PowerPoint for presenting solutions to stakeholders

SMS Spam Detection System

- Developed a machine learning-based text classification model using Python, Scikit-learn, and Natural Language Processing (NLP) techniques to detect spam messages. Performed data cleaning, preprocessing, feature extraction (TF-IDF), and model training for classification accuracy. Utilized Matplotlib and Seaborn for visualization and result analysis

Alert Eye

- Designed an IoT-based object detection system using Raspberry Pi, YOLOv8, OpenCV, PyTorch, and pyttsx3, achieving 92% detection accuracy. Enabled real-time voice alerts to assist visually impaired individuals, enhancing safety and navigation

CERTIFICATIONS

5-Day AI Agents Intensive Course – Google | Dec 2025

- Learned fundamentals of AI agents, automation logic, and data-driven workflows

SAP Foundation and Advanced Course

- Completed SAP Foundation and Advanced Course, gaining hands-on experience in Data Analysis, Machine Learning, Computer Vision, IoT, and SAP ABAP — strengthening skills in data analytics, automation, and intelligent systems development

Crash Course on Python – Google (via Coursera)

- Gained foundational skills in Python programming including data types, loops, functions, and automation through practical exercises

ACHIEVEMENTS AND HACKATHONS

• Secured **2nd Place at Code4Change (2025–26) National Level Hackathon** for developing an AI-driven solution to reimagine the National Judicial Data Grid (NJDG), focusing on judicial data analysis, case insights, and decision support.
• **AAvishkar Research Convention 2025** – Presented a university-level research project - Smart Resq System among 300+ entries from 50+ colleges.
• **Smart India Hackathon (SIH) 2025** – Top 20 College-Level Team selected for developing an IOT-based Accident detection and Alerting system to enable rapid emergency response and Resque .