Navya Srivastava

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SUMMARY

B.Tech Computer Science student with hands-on experience in Software Development, Data Analytics, Machine Learning, and Artificial Intelligence. Skilled in Python, Java, SQL, JavaScript, Flask, Power BI, Scikit-learn, and Git with experience building full-stack applications, developing machine learning models, performing data analysis, and creating AI-powered solutions. Strong foundation in Data Structures & Algorithms, DBMS, OOP, and Software Engineering. Passionate about solving real-world problems through scalable software, data-driven insights, and intelligent systems.

TECHNICAL SKILLS

- **Programming Languages**: Java, Python, SQL, JavaScript, HTML/CSS
- **Software Development:** Object-Oriented Programming (OOP), Data Structures & Algorithms, Software Development Lifecycle (SDLC), REST APIs, Flask, Django, Agile Methodology, Git, GitHub, Debugging, Testing
- **Data Analytics:** SQL, Power BI, Pandas, NumPy, Data Cleaning, Data Validation, Data Visualization, EDA, Statistical Analysis, Feature Engineering
- **Machine Learning and AI:** Scikit-learn, NLP, Recommendation Systems, Classification, Regression, Predictive Modeling, Model Evaluation, Prompt Engineering, Generative AI, TensorFlow (Basic)
- **Databases:** MySQL, SQLite
- **Core Competencies:** DBMS, Operating Systems, Computer Networks, Software Engineering, Statistics

PROJECTS

Music Recommendation System: VibeSync **May 2026 – June 2026**

Full Stack+AI Project *HTML/CSS, Javascript, Python,, Flask, SQLite*

- Developed a full-stack AI application that recommends music based on users' moods using NLP and Machine Learning.
- Built an end-to-end ML pipeline including data preprocessing, feature engineering, model evaluation, and Flask deployment.
- Conducted exploratory data analysis to identify user listening patterns and improve recommendation quality.
- Designed responsive frontend interfaces and integrated backend APIs for real-time recommendations.

Email Spam Detection System: SpamShield **May 2025 – June 2025**

Full Stack+AI Project *Python, NLP, Scikit-learn, Flask*

- Developed an NLP-based spam classification system with text preprocessing, TF-IDF vectorization, and feature engineering.
- Trained and evaluated machine learning models using Accuracy, Precision, Recall, and F1-score.
- Built REST APIs for real-time spam prediction and deployed the application using Flask.

Farm Management System: Farmify **Sept 2024 – Jan 2025**

Full Stack Project *HTML/CSS, Javascript, Node.js, MongoDB*

Role: Frontend Developer

- Developed responsive interfaces and integrated weather APIs for crop planning and farm management.
- Managed structured data using MongoDB and designed dashboards to improve user experience.

Women Safety Smart Pendant: HerShield **Aug 2025 – March 2026**

IoT & Mobile Application Development Project *ESP32, Android Studio, GPS, GSM Role: Mobile App Developer*

- Developed Android application modules for authentication, emergency contacts, and SOS notifications.
- Integrated GPS/GSM for real-time location tracking and emergency communication.

EXPERIENCE

Software Developer Intern **May 2025 – June 2025**

Sorice Solutions

- Developed an NLP-based Email Spam Detection application using Python, Flask, and Scikit-learn.
- Performed data preprocessing, feature engineering, exploratory data analysis, and model evaluation to improve prediction accuracy.
- Built REST APIs for real-time inference and deployed the solution using Flask.
- Collaborated using Git and improved application performance through debugging and testing.

Python Developer Trainee **June 2025 – Sept 2025**

Meta Scifor Technologies Pvt. Ltd

- Developed backend applications using Flask and Django following SDLC best practices.
- Built RESTful APIs, CRUD modules, and integrated SQL databases.
- Optimized application performance through debugging, testing, and code enhancements.
- Collaborated using Git for version control and team-based development.

EDUCATION

VIT Bhopal University
B.Tech in Computer Science and Engineering
CGPA: **8.39** | Sept 2023 – Present

City Montessori School, Lucknow

- Class XII – **91.25%**
- Class X – **97.2%**

CERTIFICATION

- Software Engineering by Hackerrank
- Python for Data Science, AI and Development course by IBM
- Introduction to Generative AI course by Google Cloud
- AI for Beginners by HP Life
- Analysis and Visualization of Data with Power BI by Microsoft
- Graph Theory Programming Camp by AlgoUniversity
- Workshop on Artificial Intelligence by Techkriti'24, IIT Kanpur