Alfiya Simran

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PROFILE SUMMARY

Final-year Information Science student with practical experience in data science, full-stack development, and applied machine learning. Skilled at building end-to-end solutions using modern tools and collaborating on project-based problem solving.

KEY SKILLS

Technical : Python, JAVA, DSA, HTML, CSS, Javascript, SQL, Full Stack, React, Postman, Github, Authorization & Authentication, Salesforce Agent Blazer, Unix, Data Science, Power BI, Application Development, Software Solutions, Designing & Maintaining, Testing, Regression, Business Requirements, Agility

Soft Skills : Effective Communication, Teamwork, Leadership, Work ethics, Time management, Team Focuses, Public Speaking, Teamwork

EXPERIENCE

TCS Lastmile – TCS & Smartbridge | **July 2025 – Present**
> Participating in a structured corporate training program to enhance core IT skills in application development, support, and infrastructure, while applying programming, debugging, and problem-solving abilities through real-world case studies and simulated industry projects.

Data Science with AI Intern — Labmentix | **July 2025 – Present**
> Working on data-driven solutions involving data modeling and AI under professional mentorship, gaining hands-on experience in real-world domain projects using Python, supervised learning techniques, and collaborative problem solving.

Machine Learning Intern — InternPe | **Dec 2024 – Jan 2025**
> Developed ML models for diabetes, cancer, and fraud detection using supervised algorithms; developed a Flask–React web app and applied preprocessing, feature selection, and evaluation with Pandas, NumPy, Scikit-learn, and Matplotlib.

PROJECTS

Fish Species Classification: Built a CNN-based model to classify fish species from images, with data preprocessing, training, and UI for real-time predictions.

Shopper Spectrum: A full-stack data product that segments customers using RFM analysis and provides personalized product recommendations to enhance e-commerce decision-making.

Brain Tumor Classification System: Classified brain MRI images into tumor types using deep learning to support early and accurate medical diagnosis.

InvestNest: Engineered a personalized investment advisor app leveraging React, Flask, and REST APIs; facilitated a 15% increase in simulated user portfolio diversification through risk-based filtering and recommendations using Chart.js for real-time visualization.

Speech-Controlled Mini PC Assistant: Engineered a Python-based desktop assistant using SpeechRecognition, PyAudio, and OS libraries to execute system tasks; tested 10+ commands with 90%+ voice recognition accuracy including app launching and text input.

Credit Card Fraud Detection: Executed a classification pipeline for 5,000+ imbalanced transactions using SMOTE and Random Forest; reached an F1-score of 0.92 and ROC-AUC > 0.95, with performance visualizations via Matplotlib.

Diabetes Prediction System: Trained machine learning models on the PIMA dataset using Scikit-learn, Pandas, and NumPy; achieved 87% accuracy through effective feature selection, scaling, and evaluation using ROC-AUC metrics.

Smart Medicine Vending Machine: Lead a team of 6 members and programmed an RFID-authenticated Arduino prototype to securely dispense medicine; implemented real-time LCD interaction and servo motor control using Embedded C/C++ to simulate 100% dosage security in test scenarios.

Smart Waste Management System: Lead a team of 6 members and engineered an IoT-enabled waste bin monitoring system using NodeMCU, ultrasonic sensors, and Firebase; automated real-time tracking for 15+ bins and reduced simulated manual checks by 90% via a web dashboard built with HTML, CSS, JS, and Bootstrap.

EDUCATION

- **BTech [ISE]** – Presidency University [Bengaluru] [2022-2026]
- **12th [PCMB]** – St. Joseph' s Convent Girls Composite PU College [Chikkamagaluru] [2020-2022]

CERTIFICATES

Full Stack Web Development(Udemy), Full Stack Web Development with PHP(Udemy), Learning CSS(Infosys Springboard), Introduction to Web Designing(Great Learning), Practical GitHub Project Management and Collaboration(LinkedIn Learning), Salesforce Agent Blazer Champion(Badge), The Data Science Bootcamp(Udemy)

LANGUAGES & HOBBIES

English(C1)   Kannada(Native)   Hindi(Native) | Dancing   Writing(Poetry)   Volunteering