

SHABANA A

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SUMMARY

B. Tech IT graduate with a minor in Electronics and Communication, currently upskilling in Data Science, Machine Learning, AI, and Power BI. Demonstrated leadership and coordination skills through roles as Placement Representative, Department Secretary, and Class Representative. Strong communicator with a keen interest in combining technical learning with team-oriented responsibilities in tech-driven environments.

EDUCATION

Bachelor of Technology in Information Technology

MEA Engineering College | Nov 2021 – May 2025

CGPA: 7.72

Higher Secondary

RMHSS Melattur | 2019 – 2021

Percentage: 94.58%

Secondary School

Darul Hikam Residential School | 2018 - 2019

Percentage: 91.6%

SKILLS

Technical Skills

Python, C++, HTML, CSS, SQL, Pandas, Numpy, Streamlit, GitHub, Microsoft Office Suite, Canva

Soft Skills

Time Management, Communication, Team Collaboration, Adaptability, Problem-Solving

PROJECTS

Language Detection System

- Developed a high-accuracy language detection model supporting multiple languages, including non-Latin scripts.
- Built using TF-IDF character-level vectorization and trained Naive Bayes and Linear SVM models.
- Balanced the dataset with up to 4000 sentences per language to avoid bias
- Achieved 95.2% test accuracy with Naive Bayes and 95.6% test accuracy with Linear SVM.

Smart Crop Recommendation System

- Built a machine-learning web app using a Random Forest model trained on soil and weather data, achieving 99.32% test accuracy for predicting the top 3 suitable crops.
- Created a simple Streamlit interface that processes input features and displays real-time crop recommendations.

Bootstrap Portfolio

- Developed a responsive personal portfolio using Bootstrap, HTML, CSS, and JavaScript, featuring sections for projects, skills, certificates, and resume integration.
- Implemented certificate upload with dynamic thumbnail previews and modal viewing, optimized for easy local setup and GitHub Pages deployment.

EXPERIENCE

Intern – ICFOSS | September 2024 - August 2025

- Assisted in monitoring and maintaining IoT-based rainwater detection devices deployed at the assigned location.
- Conducted hardware inspections and component replacements under mentor supervision.

Freelance Canva Educator | May 2024 - June 2024

- Created and delivered a self-paced online Canva course with bite-sized instructional videos for beginner levels.
- Shared design templates and tips to enhance learner engagement and skill development.

CERTIFICATIONS

Data Science, Machine Learning, Artificial Intelligence & Power BI

Luminar Technolab, Cochin | Aug 2025 – Present

- Currently enrolled in a 7-month training program with hands-on practice and live projects.
- Python, Data Science pipelines, Machine Learning algorithms, AI concepts, Power BI dashboards.

Principles of Communication Systems – I

NPTEL (IIT Kanpur) | Jan 2025 – Apr 2025

Digital Circuits

NPTEL (IIT Kharagpur) | Jul 2024 – Oct 2024

Python Practice Codes

Great Learning | Nov 2022

Operational Excellence and Critical Thinking

Great Learning | Nov 2022

LEADERSHIP AND REPRESENTATION

Secretary, IT Department Association | Sep 2024 – Apr 2025

- Organised technical events, workshops, and activities to boost student engagement and promote collaboration between faculty and students.

Student Placement Representative | Jul 2024 – Apr 2025

- Managed communication between students and placement office, ensuring timely updates on job openings, placement drives, and deadlines.

Class Representative | 2021 – 2025

- Acted as liaison between faculty and students for four academic years, facilitating communication and supporting academic and administrative coordination.

LANGUAGES: English, Hindi, Malayalam, Tamil