

# AKSHARA BALAN

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## PROFESSIONAL SUMMARY

An inspired and enthusiastic fresher with strong foundation in Artificial Intelligence, Machine Learning, Python and Cybersecurity. Possesses an intrinsic talent for team-working environments and have good analytical skills and is target oriented. I have proven ability to multitask and handle diverse responsibilities, from organizing large-scale technical events to technical problem-solving.

## PROJECTS

### Facial Recognition License Verification System

Feb 2024 - May 2024

- Developed a system to predict license details using facial recognition and machine learning.
- Trained a Naive Bayes classifier to predict license status and generate alerts for expired or missing licenses.
- Technologies: Python, Jupyter Notebook, face\_recognition, Naive Bayes

### Kidney Transplantation using Explainable AI

May 2024 - Aug 2024

- Explored the use of XAI to enhance kidney transplant outcomes amid organ scarcity.
- Utilized Random Forest and Gradient Boosting algorithms to predict graft survival and complication risks
- Technologies: Python, Jupyter Notebook, Random Forest, Gradient Boosting

### Prompt Injection Attack Detection System

July 2024 - Present

- Developing a system to detect prompt injection attacks using machine learning

## CERTIFICATIONS

Machine Learning through Python | ICFOSS

Python Foundation Certification | Infosys Springboard

Artificial Intelligence Foundation Certification | Infosys Springboard

Cybersecurity Foundation Certification | Infosys Springboard

Wheeled Mobile Robots | NPTEL IIT Madras

The Joy of Computing using Python | NPTEL

## SKILLS

- **Technical Skills:** Python, C, SQL, Jupyter Notebook, Google Colab, VS Code
- **Soft Skills:** Leadership, Team work, Integrity, target-driven Multi-tasking, Curious learner, Effective communication, Building and maintaining long-term relationships

## INTERNSHIP

Cybersecurity and Ethical Hacking | FacelIn

Project Ganitham- Contributed to community-focused projects, displaying service orientation and teamwork.

LT/ML Intern | ICFOSS (present)

## EDUCATION

BTech in Computer Science (Artificial Intelligence) with current CGPA of 8.34.

- NRPF Student Coordinator (NSS)
- Design Lead (HackClub, ASIET): Created promotional content, enhancing engagement.
- Campus Co-lead (Game Development Club, ASIET)
- President (AI Club, ASIET): Led AI Club events, fostering collaboration and technical growth.
- Event Coordinator (Prayag, Brahma)
- D-Zone Women's Volleyball Runner-up