

ASHIKA FARZANA K

Aspiring Software Developer | Python & Web Developer | AI/ML Enthusiast

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Professional Summary

Computer Science graduate with hands-on experience in Python, Flask, and Django. Skilled in real-time object detection using YOLOv5, web development, and cloud deployment on AWS. Passionate about building accessible tech solutions and software development, testing, and AI/ML.

TECHNICAL SKILLS

- **Programming Languages** – Python, C, Java, HTML, CSS, JavaScript
- **Data Tools:** Power BI, SQL, Microsoft Excel
- **Frameworks & Libraries** – Django, Flask, NumPy, Pandas, OpenCV, PyTorch
- **Web Technologies** – HTML, CSS, JavaScript (Frontend), Flask, Django (Backend), SQLite
- **AI/ML** – Data Preprocessing, YOLOv5, Supervised/Unsupervised Learning
- **Tools** – VS Code, GitHub, Jupyter Notebook, Google Colab
- **Cloud & Security** – AWS, Cybersecurity, Ethical Hacking Basics

PROJECTS

Student Attendance Management System

August 2024

- Frontend: HTML, CSS, JavaScript | Backend: Django (Python), SQLite
- Designed a web application to automate student attendance tracking.
- Implemented real-time attendance monitoring and database integration.
- Generated detailed reports for improved administrative insights.

Vision Mate – Object Tracking and Recognition Assistance

May 2025

- Frontend: HTML, CSS, JavaScript | Backend: Flask (Python), SQLite.
- Libraries: OpenCV, YOLOv5, Pyttsx3 (TTS).
- Developed and deployed a real-time object detection system using Python, Flask, and YOLOv5.
- Integrated backend Flask API with a voice-activated interface using Pyttsx3.
- Designed an accessible web UI using HTML, CSS, and JavaScript.
- Role: Python Developer, Computer Vision Intern.

EXPERIENCE

AWS and Cybersecurity Intern, TechByHeart

10 Nov 2023 - 20 Nov 2023

- Acquired a solid foundation in cybersecurity and cloud computing principles.
- Conducted an informative session on the vulnerabilities of public web cameras.
- Demonstrated ethical hacking techniques.
- Successfully deployed and managed a website hosted on AWS.

AI and Machine Learning Intern, Rooman Technologies

25 Sep 2024 - 10 Jan 2025

- Underwent hands-on training in AI and Machine Learning techniques and workflows.
- Developed models using Python libraries such as NumPy, pandas, and scikit-learn.
- Worked on classification and regression algorithms to solve real-world problems.
- Strengthened understanding of AI concepts, data preprocessing, and model evaluation.

CERTIFICATIONS

- **AI and Machine Learning** – Rooman Technologies
- **AWS and Cybersecurity Internship** – TechByHeart
- **Front-End Web Development** – Great Learning
- **Java Programming** – Great Learning
- **Python Programming** – Great Learning

EDUCATION

Bachelor of Engineering – Computer Science and Engineering

Visvesvaraya Technological University, Karnataka | 2021 – 2025

CGPA: 9.05

Pre-University Education (PUC)

Kumbra PU College, Puttur, Karnataka | 2019 – 2021

Percentage: 93

Secondary School Leaving Certificate (SSLC)

Pratibha High School Patte, Puttur, Karnataka | 2019

Percentage: 91