Ashika Babydasan

E-mail | LinkedIn | Github

Education

SVKM's NMIMS, B.Tech Computer Engineering — Aug 2022 – May 2026

- GPA: 3.03/4.0 (As per semester 6)
- **Coursework:** Data Structures and Algorithms, Operating Systems, Computer Networks, Database Management Systems, Object-Oriented Programming, Artificial Intelligence, Cyber Security

Jaipuriar School, Sanpada, CBSE – Senior Secondary Education (12^{th} Grade) — Aug 2020 – May 2022

- GPA: 79.4%
- **Coursework:** Python Programming, SQL, Mathematics, Physics

Internships

Microsoft Azure Intern, Edunet – Remote — May 2025 – Jun 2025

- Gained hands-on experience with Microsoft Azure services and explored AI-powered tools such as Microsoft Copilot and Azure Machine Learning
- Learned to build, deploy, and monitor intelligent applications using cloud-based resources and industry-standard practices
- Developed a crop recommendation system using machine learning techniques, leveraging Random Forest for accurate predictions based on environmental data
- Applied data preprocessing, feature selection, and model evaluation strategies to ensure performance and reliability
- Strengthened understanding of AI workflows, cloud computing, and responsible AI principles through guided modules and practical tasks

Python Programming Intern, VaultofCodes – Remote — Mar 2025 – Apr 2025

- Developed Python-based scripts and applications for automating routine tasks and enhancing productivity
- Designed and implemented mini projects demonstrating core Python concepts such as file handling, data structures, and APIs
- Built a responsive GUI-based application using Tkinter for user-friendly interaction
- Applied object-oriented programming principles to structure code efficiently and ensure scalability
- Collaborated with the team to review code, suggest improvements, and adhere to best practices in software development

AI ML Intern, Edunet – Remote — Apr 2025 – May 2025

- Built a deep learning model to predict forest fires based on satellite and ground-level images from a curated dataset
- Preprocessed image data using techniques such as resizing, normalization, and data augmentation to improve model robustness
- Designed and trained a Convolutional Neural Network (CNN) using TensorFlow/Keras for image classification
- Achieved high accuracy by tuning model architecture and optimizing training parameters
- Visualized training performance and prediction outputs to assess the model's effectiveness in identifying fire-prone areas

Projects

Crop Recommendation System using Random Forest — Github Link

- Built an ML-based web application to recommend suitable crops based on soil and climate parameters.
- Designed the front-end using HTML, CSS, and JavaScript, and developed the back-end using Python with Flask framework for seamless user interaction.

- Tools used: Python, Flask, HTML, CSS, JavaScript

AI-Powered Chatbot Github Link

- Developed a conversational chatbot using Streamlit integrated with Google Generative API for real-time responses. Implemented interactive front-end features to enhance user engagement.
- Tools used: Python, Streamlit

Forest Fire Detection using DL Github Link

- Developed a CNN-based Forest Fire Prediction System that analyzes satellite images to detect potential fire outbreaks.
- Tools used: Python, Keras

Technologies

Languages: HTML, CSS, JavaScript, Python, Java, C++, SQL

Frameworks & Libraries: Flask, Bootstrap

Tools & Platforms: VS Code, Anaconda, Git, SQL Server, Streamlit

Certifications and Hackathons

Certifications:

- TryHackMe – Advent of Cyber (Cybersecurity Basics)
- freeCodeCamp – Front End Development Libraries
- HackerRank – Java (Basic, Intermediate)

Hackathons:

- Echelon – Tackled tech-driven social impact problems using innovative web solutions
- HACKX – Built working prototypes under time constraints in a collaborative team
- Flipkart Runway – Designed e-commerce solutions aligned with real-world business scenarios