

# AKSHANSH SINGHPAL

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[GitHub](#) | [LinkedIn](#)

## EDUCATION

### MEDICAPS UNIVERSITY

B.Tech Information Technology  
Cumulative GPA: 7.68/10

Indore, M.P  
Aug 2022 – Aug 2026

Relevant Coursework: Computer Networks, Machine Learning, Backend Development

## PROFESSIONAL SUMMARY

### CISCO NETWORKING ASSOCIATE

- Network Engineering Trainee(In-house Internship) Provider: (Cisco Networking Academy) Completed 3 core CCNA certification modules: Introduction to Networks; Switching Routing and Wireless Essentials; and Enterprise Networking, Security and Automation. Gained practical experience in network configuration, router/switch management, wireless security, and automation principles.

## PROJECTS

### NEUROVOICE AI: A Non-Invasive Acoustic Diagnostic System for Early Parkinson's Disease Detection

Tech Stack: Python, Flask, .NET, Angular, Librosa, Scikit-Learn

[GitHub](#)

- Architected a full-stack AI diagnostic system to detect early-stage Parkinson's Disease from voice recordings, achieving 90.77% accuracy.
- Engineered a "Physics-Aware" feature extraction pipeline using Librosa to analyse vocal biomarkers(Jitter, Shimmer, Spectral Rolloff), overcoming data security with robust data augmentation strategies. Deployed a scalable microservices architecture integrating a Python AI engine, secure .NET Core API Gateway and a responsive Angular frontend for real-time screening.

### AXT: Advanced Expense Tracker

Tech Stack: .NET , Python, Angular, PrimeNG, RAG

[GitHub](#)

- Engineered a full-stack expense management application with a .NET Core API backend, EF Core, and a responsive Angular/PrimeNG frontend. Integrated a Retrieval-Augmented Generation (RAG) model to provide AI-driven financial insights, including spending pattern analysis, personalized saving suggestions and expense forecasting.

### Eco-Initiative Platform (Google Solution Challenge 2024)

Tech Stack: HTML, CSS , JavaScript

[GitHub](#)

- Developed an interactive platform to promote sustainable habits and local eco-initiatives , addressing UN goals on climate change.
- Engineered core features for users to track their environmental impact, find local events, and resources on waste management and energy conversation.

## SKILLS

- Programming Languages:** C/C++, Python,
- Frontend Frameworks/Libraries:** Angular, PrimeNG
- Backend Technologies:** .NET, ASP.NET Core,
- Tools:** Git, GitHub, Postman, Cisco Packet Tracer
- Real-Time & State Management:** JWT

## CERTIFICATIONS

- Cisco Certified in Python Essentials 1 , 2** – Earned certification by completing Python assessment [[View Credentials](#)]
- Cisco certified in Networking** – Introduction to Computer Networks, Switching and Routing Essentials, Enterprise Networking , security and automation [[View Credentials](#)] [[View Credentials](#)] [[View Credentials](#)]