

Prasannaa Vijayakumar

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EXPERIENCE

Map My Destination

2026

Python | Graph Algorithms | BFS

Live Project

- Developed a graph-based travel planning platform using Breadth-First Search (BFS) for route optimization.
- Built an interactive interface to visualize optimized travel paths using graph algorithms.

Enterprise Network Infrastructure Simulation

2026

Cisco Packet Tracer

Academic Project

- Designed and configured an enterprise network with routers, switches, DHCP, DNS and Web Server services.
- Validated end-to-end connectivity and performed DNS failure simulation for network troubleshooting.

Exploratory Data Analysis and Visualization

2026

Python | Pandas | Power BI

Academic Project

- Performed data cleaning, analysis and visualization using Pandas, Matplotlib and Power BI.
- Created dashboards and reports to extract actionable insights from structured datasets.

EDUCATION

Amrita Vishwa Vidyapeetham

2024 – 2028

B.Tech in Computer Science and Engineering

Coimbatore, Tamil Nadu

- **CGPA:** 8.06 / 10.00
- **Relevant Coursework:** Data Structures & Algorithms, Object-Oriented Programming, Database Management Systems, Computer Networks, Operating Systems, Machine Learning

SKILLS

Programming Languages: Python, C, C++, Java, SQL, JavaScript

Web Technologies: HTML, CSS

Libraries & Frameworks: NumPy, Pandas, Matplotlib, Scikit-learn, FastAPI, Streamlit

Databases: MySQL, SQLite

Developer Tools: Git, GitHub, VS Code, Jupyter Notebook, Cisco Packet Tracer, Power BI, Tableau

Core Concepts: Data Structures & Algorithms, Object-Oriented Programming, DBMS, Operating Systems, Computer Networks, Machine Learning, Computer Vision, IoT