

# V V S D GNANESH KHANDAVILLI

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## Education

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Degree	Institution	Year and Score
B.Tech. (CSE)	Amrita Vishwa Vidyapeetham, Coimbatore	2023 - Present, 7.09 / 10.0
Class XII	Sri Chaitanya Junior Kalasala	2023, 93.6%
Class X	Slate - The School	2021, 10.0 / 10.0

## Projects

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### Maze Solver and Generator

- Implemented an **A\* search algorithm** with Fibonacci Heaps for optimized pathfinding in mazes.
- Developed a maze generator using recursive backtracking to ensure solvable random mazes.
- Used **Tries** to track explored states and avoid redundant searches.
- Created visual representations using **PIL (Python Imaging Library)**.

### Movie Booking System

- Developed a responsive UI using **HTML, CSS, and JavaScript**.
- Implemented backend logic using **Node.js** for managing bookings and showtimes.

## Technical Skills

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- **Languages:** C, Java, Python
- **Operating Systems:** Windows 10, Ubuntu
- **Databases:** MySQL, MongoDB
- **Technologies:** HTML, CSS, JavaScript, ReactJS, ExpressJS, NodeJS
- **Concepts:** OOPs, Data Structures and Algorithms
- **Others:** Computer Networks, Machine Learning

## Licenses & Certification

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- **Tata Cybersecurity Security Analyst Job Simulation on Forage – May 2025**  
View Certificate
- **IBM Data Science Machine Learning with Python - June 2025**  
View Certificate

## Extracurricular Activities

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### NSS Club Member (Sept 2023 – Present), Amrita Vishwa Vidyapeetham

- Organized village events, delivered speeches on cleanliness, and conducted boot camps.

**Sports:** Badminton, Cricket, Tennis