

# ROSHINI PAKKURTHI

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## PROFILE:

Passionate and self-motivated 3rd-year B.Tech Computer Science student specializing in *Artificial Intelligence & Machine Learning* at Gayatri Vidya Parishad College of Engineering. Skilled in **Python, C, DSA, SQL, and Web Development**, with hands-on experience in AI-powered project development, data analytics, and cloud-based machine learning tools. Eager to apply academic knowledge and internship experience to real-world technology challenges.

## INTERNSHIPS:

### Data Analytics Virtual Internship – Google & AICTE (Remote)

- Gained hands-on experience in data manipulation, automation, and workflow optimization using **Alteryx** for data-driven decision-making.

### AI & Machine Learning Virtual Internship – AWS & AICTE (Remote)

- Worked with AI and ML tools, AWS services, and datasets, learning model training, deployment, and cloud integration best practices.

## PROJECTS:

### AI Smart Glasses – Assistive Technology for the Visually Impaired

[Tech Stack: Python, OpenCV, TensorFlow/Keras, Raspberry Pi, Arduino, Speech Recognition APIs]

- Developed a **prototype smart glasses system** integrating AI, real-time data analysis, and object recognition for enhanced navigation.
- Incorporated **augmented reality features** to improve user awareness of surroundings.

### Smart India Hackathon – Travel & Tourism Problem Statement

[Tech Stack: HTML, CSS, JavaScript, Python (Flask/Django), MySQL/MongoDB]

- Participated in a national-level hackathon, contributing to an innovative travel technology solution with a focus on user accessibility and experience.

### Handwritten Digit Recognition

[Tech Stack: Python, TensorFlow/Keras, NumPy, Matplotlib]

- Built a machine learning model to classify handwritten digits using the **MNIST dataset**, achieving high accuracy through CNN architecture.
- Implemented data preprocessing, augmentation, and visualization for improved training efficiency.

### Airbnb Clone – Property Rental Web App

[Tech Stack: React.js, Node.js, Express, MongoDB, JWT, CSS]

- Developed a full-stack clone of Airbnb featuring **property listing, search filters, user authentication, and booking management**.
- Integrated REST APIs for data retrieval and booking operations with secure session handling via JWT.

## EDUCATION

Gayatri Vidya Parishad College of Engineering, Visakhapatnam	Nov 2022 – May 2026
B.Tech in Computer Science (AI & ML Specialization) [Current Grade: 9.0 of 6/8 Semesters]	
Sri Chaitanya College, Visakhapatnam	June 2020 – May 2022
Intermediate [Percentage: 94%]	
Narayana E-Techno School, Visakhapatnam	June 2015 – May 2020
Secondary Education [Percentage: 92.6%]	

## TECHNICAL SKILLS

**Programming Languages:** C, Python, Data Structures and algorithms (DSA)

**Web Development:** HTML, CSS, React, Express

**Database Management:** NoSQL (MongoDB, DynamoDB), MySQL

**Development Tools:** Vs Code, Postman, Git, Github, Alteryx, AWS

## ACHIEVEMENTS:

- Completed **Java Programming** course via EdX.
- Participated in **Smart India Hackathon** (Travel & Tourism).
- Completed multiple virtual internships in AI/ML and Data Analytics.