



# NISHANTH S

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## Professional Summary

## Experience

Assistant Professor, Department of AIML, JNNCE, Shimoga, Karnataka

Oct. 2024 - Present

Delivered **teaching and hands-on** subject like **social Networks and Semantic Web, Theory of Computation, and Git**, ensuring a comprehensive blend of theoretical concepts and practical applications across undergraduate levels.

Guided and mentored students through **technical projects**, providing expertise in design, problem-solving, and implementation.

Designed interactive course materials and assignments to enhance student engagement and understanding.

Cloud Engineer, The Data Team, Bangalore, KARNATAKA

Nov. 2022 - Oct. 2023

Developed an AWS infrastructure utilizing EC2, EBS, and S3, resulting in a 40% reduction in server costs and improved scalability for the company's web applications.

Led the initiative to implement IAM best practices to create and manage users and groups, assigning tailored policies to each group, resulting in streamlined access management and increased security posture

Optimized EC2 instances by attaching and detaching EBS volumes as per demand; improved storage and performance management, resulting in a 30% lower in storage costs.

Streamlined monitoring and troubleshooting techniques for confidential instances led to a 30% decrease in system errors and enhanced system stability.

## Education

MANIPAL ACADEMY OF HIGHER EDUCATION, Shimoga, Karnataka

Master of Engineering, Big data and Data Analytics, November. 2022

JNNCE, Shimoga, Karnataka

Bachelor of Engineering in Computer Science, Computer Science, June. 2019

## Projects

### Project 1: Flower Prediction Using SVM

- Developed a Support Vector Machine (SVM) model for classifying leaves and predicting flower types, achieving 85% accuracy.
- Enhanced model performance through image preprocessing, augmentation, and content-based image retrieval techniques.

### Project 2: Image Watermarking with DWT and RSA

- Designed an image watermarking system using discrete wavelet transform (DWT) and RSA for enhanced security.
- Implemented robust embedding and extraction mechanisms to ensure data integrity and prevent unauthorized usage.

## Certifications

Microsoft Azure Data Fundamentals (AZ-900) - Microsoft

## Declaration

I hereby declare that the information provided above is true and accurate to the best of my knowledge. I take full responsibility for its correctness.

Date: 13-01-2025

Place: Shimoga

Nishanth S

## Skills

Python

Artificial Intelligence

Automation

AWS

Cloud Computing

Big Data

Machine Learning