

# Naresh N

✉ nareshn3116@gmail.com    ☎ +91-9972351285    🌐 nareshn-01    in naresh-n

## Summary

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B.Tech student specializing in Artificial Intelligence and Machine Learning with strong foundations in Python, machine learning concepts, and problem solving. Java Backend Developer with hands-on experience in building RESTful applications using Spring Boot and working with relational databases. Experienced in developing AI-driven systems such as recommendation engines, computer vision applications, and predictive models. Passionate about building scalable, real-world, data-driven applications by integrating intelligent models with robust backend architectures.

## Education

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### B.Tech in Artificial Intelligence and Machine Learning

Srinivas University Institute of Engineering

2023 – 2027

CGPA: 8.5 / 10

## Technical Skills

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- **Programming Languages:** Java, Python, C
- **Machine Learning:** Supervised Learning, Unsupervised Learning, Model Training, Model Evaluation, Feature Engineering
- **ML Algorithms:** Linear Regression, Logistic Regression, Decision Trees, Random Forest, K-Means, Naive Bayes
- **Data Analysis & Processing:** NumPy, Pandas, Data Cleaning, Handling Missing Values, Exploratory Data Analysis (EDA)
- **Backend Development:** Java Backend Development, RESTful APIs, MVC Architecture, CRUD Operations
- **Frameworks:** Spring Boot, Spring MVC, Spring Data JPA, Hibernate
- **Databases:** MySQL, SQL, Relational Database Management Systems (DBMS)
- **Tools & Platforms:** Git, GitHub, Maven, Postman, Jupyter Notebook, VS Code, IntelliJ IDEA
- **Core Concepts:** Object-Oriented Programming (OOP), Data Structures, Exception Handling, Basic Multithreading

## Projects

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### AI-Powered E-Commerce Recommendation System

- Developed a machine learning-based recommendation engine to suggest products based on user behavior and preferences.
- Built backend services using Java and Spring Boot to manage users, products, and recommendation workflows.

- Integrated the ML model with RESTful APIs and stored user interaction data in MySQL.

### **Stock Price Prediction System**

- Implemented machine learning models to predict stock prices using historical market data.
- Performed data preprocessing, feature engineering, and model evaluation using Python libraries.
- Exposed prediction results through REST APIs for external consumption.

### **Smart Job Recommendation Portal**

- Designed a machine learning-based job recommendation system based on user skills and preferences.
- Implemented backend services using Spring Boot with secure RESTful APIs.
- Managed user profiles, job listings, and recommendation results using MySQL.

### **Spring Boot REST API for User Management**

- Developed RESTful APIs using Spring Boot to perform CRUD operations on user data.
- Implemented validation, exception handling, and persistence using JPA and Hibernate.

## **Experience**

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### **Student Project Contributor**

2023 – Present

- Worked on multiple AI/ML and backend mini-projects focused on practical implementation.
- Gained hands-on experience in data preprocessing, model training, backend integration, and API development.

## **Certifications**

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- Programming in Java – NPTEL
- Machine Learning with Python – Online Certification

## **Achievements & Activities**

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- Participated in Hackathon – Hack@ACE
- Strong interest in Data Structures and Algorithms
- Actively maintain and update projects on GitHub

## **Declaration**

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I hereby declare that the above information is true and correct to the best of my knowledge.