

# DINESH KUMAR

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## EXECUTIVE SUMMARY

Looking forward to obtaining a responsible, challenging position in an eminent company where I can apply and highlight my skills. I am eager to contribute my fresh perspective, dedication, and academic achievements to make a meaningful impact in a professional setting.

## TECHNICAL SKILLS

**Programming Languages:** Python, Java, SQL

**Front-End Technologies:** HTML, CSS, JavaScript, ReactJS

**Tools:** Github, Figma, MongoDB

## PROJECTS

### Chat App Website

Jan 2025 – Feb 2025

#### Web App

- A MERN-based real-time chat app with one-on-one messaging, image sharing, and theme customization.
- Uses Socket.IO for instant messaging, Cloudinary for image uploads, and React Context API for themes.
- A fast, interactive chat app with seamless communication and a personalized user experience.

### YouTube Clone & Netflix Clone Website

Dec 2024 – Jan 2025

#### Web Design

- YouTube clone with YouTube Data API v3 and Netflix clone with TMDB API and Firebase authentication.
- Integrates YouTube Data API for video streaming and TMDB API for movie library with Firebase for secure authentication.
- Seamless video streaming and movie browsing experience with real-time updates and secure user access.

### Study on Data Breach Detection using NLP and ML Methods

Aug 2024 – Nov 2024

#### Machine Learning & NLP Project

- Analyzed data breach incidents using EDA to identify trends, common methods, and sector vulnerabilities.
- Conducted textual analysis to extract patterns, bigrams, and sentiment from incident descriptions.
- Developed and evaluated ML models, achieving 90.48% accuracy with Random Forest for predicting data leak methods.

## EDUCATION

### Master of Computer Application

Vellore Institute of Technology

Currently Pursuing

8.29/10

### Bachelor of Computer Application

Vellore Institute of Technology

Sept 2020 – May 2023

8.49/10

### Higher Secondary

Rathinagiri Bageerathan Matriculation Higher Secondary School

June 2019 – May 2020

71%

### Secondary Education

Rathinagiri Bageerathan Matriculation Higher Secondary School

June 2017 – May 2018

84%

## CERTIFICATIONS

- Fundamentals of Deep Learning (2024),
- Work Smarter with Microsoft Excel (2024),
- Machine Learning with Python (2023),
- Networking Cardinals (2023),
- Python Programming (2022),