# Adarsh Tripathi

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#### **EDUCATION**

**Bachelor of Technology in Computer Science Engineering** Vellore Institute of Technology, Vellore

2023 - 2027 | CGPA-8.93

**Senior Secondary** 

2023 | 94 %

DAV Public School Sreshtha Vihar. Delhi

2021 | 88%

DAV Public School Sreshtha Vihar, Delhi

#### SKILLS

#### **Technical Skills**

Programming Languages: Python, Java, C, C++

Web Dev: HTML, CSS, JavaScript, TypeScript, React, Node.js,

Flask, Django, Express

Databases & Backend: MySQL, MongoDB, REST APIs, JWT Tools: Git/Github, Linux, VertexAI, Google Colab, Docker, Kubernetes, Power BI, Tableau, Microsoft Access, Excel Libraries: NumPy, Pandas, Matplotlib, TensorFlow, Keras CS Fundamentals: OOP, DBMS, SQL, DSA, OS, CN, COA, System

Design

#### **Soft Skills**

Ownership mindset Self-driven Problem-Solving Time Management Continuous Learning Adaptability

## **PROJECTS**

#### GoRide (Tech Stack: React, Flask, MySOL) @

2025

• It is a web-based ride-booking platform that allows users to book rides, manage profiles, and view trip details in a simple and intuitive interface. It aims to streamline the ride-hailing experience with a user-friendly design and essential ride management features.

## SecureFinanceApp (Tech Stack: Node.js, MongoDB, JWT, Bcrypt) ∅

2025

• Engineered a secure, server-side application for real-time digital transactions, integrating scalable infrastructure and automated data integrity checks. Used JWT authentication, bcrypt hashing, and RESTful APIs to ensure system reliability, user privacy, and actionable data flows.

ThreatDetection (Tech Stack: Python, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, Jupyter Notebook) &

• Developed a machine learning-based ThreatDetection system (Python, Scikit-learn, TensorFlow, Flask) that analyzes network traffic to detect anomalies and potential cyber threats, integrating real-time REST APIs for deployment and interactive visualization dashboards to provide security teams with actionable insights.

## **LANGUAGES**

English - Native Proficiency

Hindi – Native Proficiency

Sanskrit - Elementary Proficiency

French - Elementary Proficiency

## **CERTIFICATES**

## **IBM Full Stack Software Developer** Professional Certificate(IBM) - Coursera

Completed a comprehensive program covering front-end and back-end development, cloud computing, DevOps, and deployment. Gained hands-on experience building and deploying full-stack web applications

Technologies Used:-HTML, CSS, JavaScript, React, Node.js, Express, Python, Django, REST APIs, Git/GitHub, Docker, and Cloud services (IBM Cloud, AWS).

## Programming with Java(Amazon) -Coursera &

Completed an in-depth course focused on core Java programming concepts, object-oriented programming (OOP), and application development. Gained hands-on experience in Java syntax, data structures, algorithms, exception handling, file I/O, multithreading, and building modular, scalable applications.

## Machine Learning(DeepLearning AI) - Coursera ℰ

Completed a comprehensive course covering fundamental machine learning concepts, model building, and evaluation. Gained practical experience with supervised and unsupervised learning, regression, classification, neural networks, feature engineering, and implementation using Python and libraries like NumPy, Pandas, and scikit-learn.

## Google Cybersecurity Professional Certificate (Still Ongoing) - Coursera

Currently pursuing a professional certification focused on foundational cybersecurity concepts, threat analysis, and security best practices. Completed the first three courses covering network security fundamentals, threat detection and mitigation, Linux and SQL basics, and security tools like SIEM and firewalls.

## OCI Generative AI Professional Certificate - Oracle &

Completed a professional certification focused on the end-to-end lifecycle of enterprise-grade Generative AI applications using Oracle Cloud Infrastructure (OCI). Gained hands-on expertise in key areas including Large Language Models (LLMs), prompt engineering techniques, model fine-tuning with custom data, and building applications using the OCI Generative AI service.