

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
DAV Public School Sreshtha Vihar, Delhi

2023 | 94 %

Secondary
DAV Public School Sreshtha Vihar, Delhi

2021 | 88%

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, MySQL) [🔗](#)

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) [🔗](#)

2025

- 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.

Portfolio (Tech Stack: React, TypeScript, Tailwind CSS, Vite, Framer Motion, React Router DOM) [🔗](#)

2025

- Designed and developed a fully responsive personal portfolio website using modern front-end technologies, showcasing projects, skills, and achievements through an interactive and elegant interface. Implemented smooth animations with Framer Motion and optimized performance using Vite and TypeScript for fast, efficient, and maintainable development.

LANGUAGES

English – Native Proficiency

Hindi – Native Proficiency

Sanskrit – Elementary Proficiency

French – Elementary Proficiency

CERTIFICATES

Full Stack Software Developer Professional Certification – 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)

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) – Google(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.**

