Varchasva Khare

vk.varchasva@gmail.com | [LinkedIn](#) | [GitHub](#)

Education

Vellore Institute of Technology, Bhopal	**2022 – 2026**
B.Tech in Computer Science & Engineering	*CGPA: 6.3*

Technical Skills

Languages: C++, Java, Python, SQL, JavaScript, HTML, CSS
Frameworks: React, Node.js, Express, Flask, AngularJS, Spring Boot, Scikit-Learn
Developer Tools: Git, Docker, MySQL, PostgreSQL, Linux, Kali Linux, NLTK, Google Cloud Platform, VS Code

Projects

[VeriScanX - News Authenticity Predictor](#) *Mar 2025*
Python, Flask, scikit-learn, NLTK, HTML5, Tailwind CSS, JavaScript

• Developed a machine learning-powered web application for detecting fake news by analyzing and verifying online content.
• Utilized a PassiveAggressiveClassifier with TF-IDF Vectorizer for intelligent content classification and real-time analysis with confidence scoring.
• Designed and implemented a user-friendly interface with a responsive, mobile-friendly design for a seamless user experience.
• Engineered an efficient model storage and loading system for model persistence and implemented environment-based API key management for security.

[Police Agent Discord Bot](#) *Jan 2023*
Python, Discord.py, JSON, Regex

• Developed a feature-rich Discord moderation bot designed to manage and protect public servers.
• Implemented intelligent rule monitoring to detect and respond to violations in real-time, along with a comprehensive warning and logging system.
• Created an advanced, image-based CAPTCHA verification system to prevent spam and abuse.
• Built a modular and scalable architecture and a JSON-based storage system for data management, while maintaining a consistent "police persona" for all bot responses.

[Prime Properties](#) *Dec 2023*
React, Spring Boot, Java, PostgreSQL, Docker, Tailwind CSS

• Developed a full-stack real estate platform with role-based access for customers and developers.
• Engineered a secure backend with Spring Boot and JWT authentication, and a PostgreSQL database for comprehensive property management.
• Built a modern, responsive user interface with React, utilizing advanced search and filter capabilities for property browsing.
• Integrated Docker for containerization and Railway for deployment, ensuring a scalable and production-ready application.

Extra-curriculars

Personal Portfolio Website

• *Developed and designed a personal portfolio to showcase software development skills and projects.*
• ***Technologies:*** *HTML5, CSS3, JavaScript (ES6+), Three.js, WebGL*
• *Engineered a performance-first website with a focus on 60fps animations, cross-browser compatibility, and maintainable vanilla JavaScript code.*
• *Incorporated interactive 3D elements using Three.js and WebGL, along with a custom cursor and dynamic particle backgrounds for an immersive user experience.*
• *Implemented a fully responsive design using CSS Grid and Flexbox with a mobile-first approach.*

Trainings / Certifications

Intro to AR/VR/MR/XR: Technologies, Applications & Issues (with Honors)   **Dec 2023**
An online non-credit course authorized by University of Michigan and offered through Coursera

Cybersecurity Virtual Experience Program   **Mar 2023**
An online course authorized by MasterCard and offered through Forage

Cybersecurity Management   **Mar 2023**
An online non-credit course authorized by ANZ and offered through Forage

Blockchain for Business   **Nov 2023**
An online course offered by 365 Data Science