

Varchasva Khare

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

Education

Vellore Institute of Technology, Bhopal
B.Tech in Computer Science & Engineering

2022 – 2026

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