PANKH BANSAL

+91-8920900316 | pankh1105@gmail.com | https://www.linkedin.com/in/pankh-bansal-6b6b44251/ |
https://github.com/bansalpankh

Education

Vellore Institute of Technology, Bhopal

B.Tech in Computer Science and Engineering (Specialization in Health Informatics)   *July 2022- July 2026*
CGPA:8.74

Delhi Public School Vasant Kunj, New Delhi

Class XII – 96.6%   *July 2022- July 2026*
Class X – 98.2%

Projects

Investify – Full-Stack Virtual Stock Trading Platform | *React.js, MongoDB, MySQL, WebSocket*   *February-2025*
- Built a virtual trading platform enabling real-time, risk-free paper trading.
- Implemented WebSocket-based order matching and AI-driven trade analytics.
- Designed dynamic dashboards and personalized investment tools.

EncryptoSafe - Secure File Vault | *Java, Swing, AES Encryption, BCrypt, Maven*   *June-2025*
- Developed a Java-based Secure File Vault supporting AES encryption/decryption and BCrypt password hashing.
- Designed CLI and GUI interfaces, improving user accessibility and interaction across platforms.
- Achieved modular, maintainable architecture using Maven, integrating 2+ security libraries (BouncyCastle, jBCrypt).
- Implemented per-user vaults, enabling multi-user support and secure file segregation with 100% file encryption accuracy.

Pomonote & Focus Tracker | *Html, Css, JavaScript, jsPDF, OpenCV*   *April-2025*
- Engineered a full-stack productivity web app with Pomodoro timer, task manager, Cornell note system, and weekly heatmap dashboard.
- Implemented floating timer UI, local storage for session persistence, and PDF export to streamline study workflow.
- Focus on game loops, object collision, score tracking, and UI customization.

Certifications & Achievements

Full-Stack **MERN** with MongoDB Certified – May 2025
HTML, CSS & JavaScript (Coursera) - Dec 2023
Java Foundation Associate, **Oracle** - June 2025
Gold Medalist for Academic Excellence for 7 years (DPS VK)
DELF **A2 French** Certification

Hackathons & Initiatives

SIH-24: Developed a basic Federated Learning model for internal round, focused on privacy-preserving medical data sharing.
FOSS-25: Contributed with Investify v2; improved trading simulation and database management.
LeetCode: 100+ problems as of June 2025 to strengthen DSA skills.

Positions of Responsibility

Core Member – PR & Outreach, Vitronix (IoT & Robotics Club)
Core Member – Content, Null Chapter (Cybersecurity & Blockchain Club)