

PANKH BANSAL

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Professional Summary

Computer Science undergraduate with hands-on experience in full-stack development, machine learning, and real-time applications. Strong foundation in data structures, algorithms, and modern web/mobile technologies. Seeking a software development role to apply technical and problem-solving skills.

Technical Skills

Languages: **Java**, Python, JavaScript, HTML, CSS
Frameworks/Libraries: React.js, Node.js, Express, Flutter
Databases: **MySQL**, MongoDB
Tools/Platforms: Git, PyCharm, **Figma**, Excel, Firebase

Education

Vellore Institute of Technology, Bhopal

B.Tech in Computer Science and Engineering (Specialization in Health Informatics)
CGPA: 8.74

Sep 2022 – July 2026

Delhi Public School Vasant Kunj, New Delhi

Class XII – **96.6%**
Class X – **98.2%**

April 2020 – May 2021
April 2018 – May 2019

Projects

Investify – Full-Stack Virtual Stock Trading Platform (React.js, Node.js, Express, MongoDB, MySQL, WebSocket)

- 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.

Breast Cancer Detection Model (Python, PyCharm, Kandi)

- Developed a machine learning model achieving 93% accuracy for tumor classification.
- Integrated Kandi software for improved model precision with manual test data input.
- Classified tumors as benign or malignant based on user input.

Flappy Bird Mobile Clone (in progress) (Flutter, Dart)

- Recreating the Flappy Bird game to understand mobile animation and physics in Flutter.
- Focus on game loops, object collision, score tracking, and UI customization.

Certifications & Achievements

Full-Stack **MERN** with MongoDB – Certified
HTML, CSS & JavaScript (Coursera) – Dec 2023
Fundamentals of AI and ML (Vityarthi) – May 2023
Gold Medalist for Academic Excellence – 7 years (DPS VK)
DELFI A2 French Certification

Hackathons & Initiatives

- Developed a basic Federated Learning model for **SIH 2024** internal round, focused on privacy-preserving medical data sharing.
- Contributed to **FOSS** Hackathon 2025 with Investify v2; improved trading simulation and database management.
- Solved **100+** **LeetCode** problems as of March 2025 to strengthen DSA skills.

Positions of Responsibility

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