

UJJWAL JAIN

Bhopal , Madhya Pradesh , India

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Education

VIT Bhopal

2022 – 2026

B.Tech - Computer Science and Engineering (Majors in Cybersecurity and Digital Forensics) **CGPA: 7.98**

Meerut Public School, Meerut Cantt , CBSE Board

2021 – 2022

Class XII (Senior Secondary Education) **Percentage: 81.6%**

Meerut Public School , Meerut Cantt, CBSE Board

2019 – 2020

Class X (Secondary Education) **Percentage: 84.0%**

Technical Skills & Courses

Languages: C++, Python, JavaScript, SQL

Core Concepts: Data Structures and Algorithms, Analysis of Algorithms

Technologies/Frameworks/Libraries: HTML, CSS, Machine Learning, Git

Coursework: Computer Networks, Operating System, Database Management Systems, Object-Oriented Programming, Principles of Digital Forensics, Web Security, Amazon Web Services, Engineering Design and Modelling, Cyber Threat Analysis

Projects

ConnectChildren-AI as Psychiatrist | AI, Mental Health Tech, 3D Web

February 2024

- Developed an interactive virtual psychiatrist platform using **HTML, CSS, JavaScript, and Three.js** to deliver immersive mental health support sessions for children.
- Integrated **AI-driven real-time analysis** of both speech and facial expressions to assist psychiatrists in diagnosing and understanding nuanced emotional states.
- Engineered a secure, **user-friendly system that seamlessly connects psychiatrists and young patients**, facilitating responsive intervention for issues like anxiety, depression, and stress.

SmartHR: AI-Powered Employee Management System | (AI, HR Tech, Python)

Mar, 2025

- Developed an **AI-driven Employee Management System** using **Machine Learning (Decision Trees, Neural Networks)** and **Python**, achieving **95% accuracy** in **performance predictions**.
- Processed and analyzed **10,000+ employee records**, leveraging **automated feature extraction, anomaly detection, and predictive analytics** to enhance workforce efficiency.
- Deployed a **scalable HR analytics dashboard**, optimizing **employee retention** and **workforce planning** through AI-powered insights.

AntiPiracy – AI & Cyber-Based Anti-Piracy System | AI, Cybersecurity

July 2025

- Researched advanced tracking techniques including **QR codes, watermarks, steganography**, implementing invisible security markers **using OpenCV and deep learning** for robust content protection.
- Designed and planned real-time detection pipelines leveraging **YOLO, Optical Flow, and neural networks**, optimized for deployment on mobile and wearable platforms to ensure **continuous anti-piracy monitoring**.
- Focused on **safeguarding intellectual property rights (IPR)** through innovative AI and cybersecurity solutions.

Certifications

- Certified In **OCI Foundations Associate** [Issued by **Oracle** 2025]
- Certified In **OCI AI Foundations Associate** [Issued by **Oracle** 2025]
- Cyber Security Analyst** [Issued by **IBM** 2025]
- SQL** [Issued by **HackerRank** 2025]

Achievements & Extracurricular Activities

- Core Member – Biz Whiz Club**
Oversaw **financial planning**, budgeting, and resource allocation, ensuring optimal utilization of funds for club initiatives and events.
- Technical Writer – Cyberwarrior Club** Managed and produced comprehensive technical documentation, including guides, reports, and communication materials, to support club activities and knowledge sharing.