Ujjwal Choraria

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EDUCATION

- **Shiv Nadar University** — Chennai, India
  B.Tech Computer Science Engineering (Cybersecurity); CGPA: 9.20 (Until Sem 2) — *2024 – Present*

- **Sindhi Model Senior Secondary School** — Chennai, India
  Senior Secondary Certificate (Grade 12 CBSE); 94.8% — *Mar 2024*

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, C++, SQL, Java	**Core Fundamentals:** Operating Systems, DBMS, Data Structures & Algorithms, OOPs
Web Technologies: HTML, CSS, Node.js	**Machine Learning:** NumPy, Pandas, Matplotlib, Scikit-Learn, TensorFlow

PROJECTS

- **LearnLink — Academic Resource & Mentorship Platform**
  Django, Python, React, Pandas, MySQL
  - **Centralized Learning Hub**: Developed a structured platform for students and faculty to upload, search, and organize lecture notes, question banks, and study materials.
  - **Data-Driven Exam Preparation**: Implemented **past-year paper analytics** using Pandas to identify **high-frequency exam questions** and high-weight topics across subjects.
  - **Analytics Dashboards**: Built visual dashboards displaying resource popularity, subject difficulty trends, and user engagement patterns for optimized study planning.
  - **Impact**: Achieved **40% reduction in time spent searching for notes** and **65% increase in access to reliable structured resources** compared to informal WhatsApp/Drive sharing.

- **SENTINEL — Secure Defense Communication Platform**
  Node.js, Python, React, PostgreSQL, VPN, Cryptography, ML (Anomaly Detection),
  - **Secure Communication**: Developed an end-to-end encrypted messaging platform with VPN-based access control to ensure secure, closed-network communication.
  - **Data Leakage Prevention**: Implemented screenshot blocking, copy-restriction, and cross-platform file sharing controls to prevent unauthorized data exfiltration.
  - **Administrative Monitoring Dashboard**: Built an HQ dashboard for real-time user activity monitoring, conversation metadata insights, and controlled message retention policies.
  - **Threat & Intrusion Detection**: Integrated a machine learning anomaly detection model to identify suspicious behavior patterns and trigger automated security alerts.

CERTIFICATIONS

- **Machine Learning Specialization (Supervised ML)** — Coursera — Stanford Online
  Linear/Logistic Regression, Regularization, Feature Engineering — *2025*

- **Machine Learning Specialization (Advanced ML)** — Coursera — Stanford Online
  Neural Networks, Softmax, CNNs, Decision Trees, Ensemble Models — *2025*

POSITIONS OF RESPONSIBILITY

- **Core Member — Coding Club - ML Vertical** — SNU Chennai
  Point Of contact and contributed to various ML workshops — *2025*

- **Registrations Head** — Sindhi Model Senior Secondary School
  Core Committee — Inter-School Cultural Fest — *2023*
  - : Led the registration and participant coordination system for the fest, ensuring smooth scheduling, team communication, and event flow.