

# PARTH MITTAL

📍 Delhi NCR

☎ +91-9311701209

✉ [parth.mittal021@gmail.com](mailto:parth.mittal021@gmail.com)

🌐 LinkedIn: [parth-mittal-a6484b24a](#)

🐙 GitHub: [hey-parthh](#)

## EDUCATION

### VIT Bhopal University

*B.Tech in Computer Science and Engineering* **CGPA: 8.16**

**Aug 2022 – May 2026**

*Bhopal, India*

### DAV Public School

*Higher Secondary Education (CBSE)* **Percentage: 83.8%**

**Apr 2021 – Mar 2022**

*Faridabad, India*

## PROJECTS

### P2P File Sharing Web App | WebRTC, JavaScript, Node.js, HTML/CSS, Express

**Jul 2025**

- Built a working peer-to-peer file transfer system from scratch in just 4 days using WebRTC and browser memory, eliminating the need for server-based storage.
- Achieved sub-second file transfers (700ms) between approved users by eliminating server storage.
- Engineered a signaling server and browser-side channel to transfer files up to 100MB entirely within memory.
- Deployed and validated signaling/channeling system on 10+ devices and browsers to ensure cross-platform stability.

### Twitter Automation Bot 🔄 | Flask, Twitter API, HTML/CSS

**Mar 2024**

- Developed a content automation app that **scheduled and posted 100+ tweets** via secure OAuth 1.0a, eliminating manual input for daily content workflows.
- Engineered a file upload and parsing feature for the content automation app, enabling users to schedule tweets from uploaded files at specified intervals; reduced manual scheduling time by 6+ hours per week.
- Stress-tested across 3+ internal Twitter accounts, executing over 1,000 automated tweets during staging.
- Achieved seamless background automation using custom local queue management logic and real-time user validation to ensure reliable delivery and session integrity.

### News Veracity Classifier | Python, scikit-learn, Streamlit, NLP

**Feb 2024**

- Built an ML pipeline using TF-IDF and Logistic Regression to classify news articles as real or fake.
- Trained and evaluated the model on over 12,000+ curated articles from a balanced Kaggle dataset, achieving a consistent accuracy rate above 95%.
- Created a user-facing Streamlit interface for real-time headline classification, allowing live experimentation and confidence-based feedback on prediction results.
- Preprocessed raw headlines using NLTK and regex filters; reduced input noise and improved model F1-score by **6%** through data balancing techniques.

## TECHNICAL SKILLS

**Languages:** Python, C++, JavaScript, SQL

**Frameworks/Technologies:** Flask, Streamlit, scikit-learn, Node.js, Express, WebRTC, REST APIs, OAuth

**Developer Tools:** VS Code, Git, GitHub, Jupyter Notebook

**Concepts:** OOP, DSA, NLP, API Integration

## CERTIFICATIONS

**Applied Machine Learning** – University of Munich

**Generative AI Fundamentals** – IBM

**AWS Cloud Practitioner Certificate** – Ethnus

**Digital Privacy in Online Social Media** – NPTEL

## INTERESTS & ACHIEVEMENTS

- Generated affiliate revenue by promoting developer-focused tools (e.g., SaaS boilerplates), leveraging direct outreach and micro-community marketing, resulting in **\$500+ in commissions**.
- Experimented with Club Illmatic — a niche hip-hop site featuring 100+ bios and lyric annotations — using WordPress with custom themes and taxonomies.
- Scaled a niche Instagram page to 450K+ reach by conducting 12+ A/B tests on hooks, CTAs, and post timing to optimize virality.