

RITIK PAL

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EDUCATION

Delhi Technological University, New Delhi <i>B.Tech in Software Engineering</i>	Aug 2022 – May 2026 7.9
Government Sarvodaya Coed Vidyalaya, New Delhi <i>CBSE (Class XII)</i>	Jul 2020 – May 2021 92.2%
SGN Public School, New Delhi <i>CBSE (Class X)</i>	May 2018 – May 2019 92.8%

EXPERIENCE

NatWest Group <i>Software Development Intern</i>	Jun 2025 – Aug 2025 Gurugram
<ul style="list-style-type: none">Developed an Agentic AI solution for advanced name screening, capable of processing 10M+ client profiles.Achieved 92%+ match accuracy by leveraging NLP, vector embeddings, and LLM-based semantic search.Deployed an MVP that automated manual data reconciliation, helping mitigate a \$100M+ cost issue in banking.	
GenAirate Technologies Ltd <i>Software Development Intern</i>	Dec 2024 – Mar 2025 Remote
<ul style="list-style-type: none">Engineered a Meeting Translation System using React, REST APIs, and Flask for Zoom with 4+ languages.Devised to help international lending companies overcome language barriers, expanding the client base by 30%.	
Delhi Police <i>Software Development Intern</i>	Mar 2024 – Sep 2024 New Delhi
<ul style="list-style-type: none">Engineered a web application using React, Node.js, MongoDB, Apache, and Google Maps to minimize crimes by 30%.Integrated live tracking, crime mapping, and patrol route optimization, leading to a 40% increase in officer deployment.	
USIP Python Intern Delhi Technological University <i>Python Intern</i>	Apr 2023 – Aug 2023 New Delhi
<ul style="list-style-type: none">Trained 40+ high school students from Delhi government schools in Python programming.	

PROJECTS

Deepfake Detection <i>PyTorch, TIMM, OpenCV, Matplotlib, Flask, HTML/CSS/JS</i>	🐙 GitHub
<ul style="list-style-type: none">Developed a robust deepfake detection system using EfficientNet, classifiers, and ensemble model with 86% accuracy.	
Cold Email Sender Web App <i>Python, Flask, JavaScript, Gmail API, SMTP</i>	🐙 GitHub
<ul style="list-style-type: none">Built a cold email automation tool to send personalized job applications to 100 recruiters and hiring managers per hour.	
Name Screening <i>Python, Flask, Tailwind CSS, NLP, Generative AI, LLM</i>	🐙 GitHub
<ul style="list-style-type: none">Implemented Agentic system with NLP-based search using vector embeddings and LLM, reducing irrelevant matches by 40% and improving information retrieval speed.	
TruthXtract – Fake News Detection System <i>Transformers, Random Forest, Gemini, Flask, GCP, React</i>	🐙 GitHub
<ul style="list-style-type: none">Deployed a multi-model ML-based web app to detect and classify fake news from 10+ sources in real time.	

TECHNICAL SKILLS

Programming Languages: C, C++, JavaScript, Python.
Full-stack Development: React, Node.js, Express, REST APIs, HTML, CSS, MySQL, MongoDB, Socket.io, JWT.
Machine Learning & Data Science: RAG, Agentic AI, Transformers, OpenCV, Data Structures and Algorithms.
Tools & Frameworks: Git, GitHub, Google Firebase, JIRA, Confluence, Jupyter, Flask.
DevOps: Nginx, AWS EC2, Google Cloud Platform.

EXTRA-CURRICULAR AND FREELANCE WORK

- Led a team of four to victory at the **NatWest Hackathon**, surpassing 150+ other teams globally.
- Implemented audio playing platform with React, Redux, and delivered 10+ features on **Upwork**. [🔗 Link](#)
- Resolved 20+ cross-browser compatibility issues on the PMD website through rigorous testing on iOS devices. [🔗 Link](#)
- Selected as a **Cadence Design Systems Scholar** from 2500+ applicants across India.
- Selected as a **National Finalist** among 500+ teams in the TruthTell Hackathon, by the Government of India.
- Vice President at SkillOp, Coached web development and executed webinars and hackathons for 200+ students.
- Director at Rotaract, Organized blood donation camps, clothing drives, and festive celebrations with 4+ NGOs.