

Saksham Kaushal

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EDUCATION

Delhi Technological University <i>B.Tech in Software Engineering, CGPA: 8.7</i>	New Delhi, India 2022 – 2026
Abhinav Public School, Pitampura <i>AISSCE/CBSE (Class XII), PCMB+English, 91.2%,</i>	New Delhi, India 2019 – 2021
KIIT World School, Pitampura <i>AISSCE/CBSE (Class X), 94%</i>	New Delhi, India 2019

ACADEMIC PROJECTS

Course Registrar DTU | *Electron, NodeJS, Burp Suite*

- Engineered a robust automation system for DTU's course registration by reverse engineering APIs and **HTTP requests** using **Postman** and **Burp Suite**.
- Implemented session reinitiation, error management and logging with a clean UI.
- Optimized GET/POST requests and cookie management, reducing registration time to under 900ms.
- Helped over **50+ students** get **200+ desired courses**.

humanization-playwright | *Python, Playwright*

- Simulates **8 human behaviors** (Bezier mouse paths, variable typing, natural scroll/drag) to mimic real users.
- Deployed on pypi, implemented proper logging using **Loguru**.
- Successfully integrated in a robust Gmail account creator tool.

PDFLion | *NextJS, ReactJS, OpenAI, NeonDB, ImageKit*

- A web based app which converts PDF into **Notes, Flashcards, Summaries, etc** without losing context.
- A robust and scalable pipeline using **MistralOCR, OpenAI** and **Gemini** and displaying the output as markdown.
- Proper user dashboard with **credit system** and payment integration.
- Extensively used by **10+ classmates** for exam preparation.

PROFESSIONAL EXPERIENCE

Operations & Automation Intern <i>Saarthi e-Rickshaw</i>	May 2024 – August 2024 Delhi, India
<ul style="list-style-type: none">Built automation tool to do Vahan registrations with Playwright, reducing data entry time by 70%.Implemented pipeline for automatic OTP entries to avoid manual intervention.Handled 200+ Vahan 4.0 registrations, ensuring RTO compliance and streamlining document verification.	

ACHIEVEMENTS & AWARDS

- Ranked **376** out of **75,000** teams in the **Amazon ML Challenge 2024** with a top model **F1-score of 0.302**, achieving the **2nd highest** score at DTU.
- Knight** on Leetcode and completed **1,000+** DSA problems on Leetcode, Codeforces, and Codestudio.
- Achieved AIR **14,567** in JEE Mains 2022 among **1,026,799** candidates (top **1.6%**).
- Earned the KVPY Fellowship with an AIR **670** in KVPY SX 2020, securing an offer for a BS degree at **IISc Bangalore**.

TECHNICAL SKILLS & TOOLS

Languages: C++, JavaScript, TypeScript, Python, Java(Basics)
Databases: SQL, MongoDB, Postgres
Frameworks: React, NextJS, TailwindCSS, Electron
Tools: Linux, Postman, Git, Burp Suite, Playwright
Coursework : DSA, OOPS, LLD (Basics), HLD (Basics), DBMS, OS, ST, Agile Methodology

POSITIONS OF RESPONSIBILITY

Samatva DTU – LGBTQIA+ Collective, DTU
Content Head & Social Media Manager: Led digital engagement initiatives and managed Instagram communications.