

ABHAY TRIPATHI

[in @abhaytri](#) [@abhaytr](#) [SwayamLabs](#) [@abhaytr](#) [abhaytr.github.io](#) [abhay-tripathi@live.com](#) [+91-8800958568](#)

Experience

Software Engineer **All India Council for Technical Education, Government of India** (May 2024 – Present)
Intern Internship New Delhi, Delhi, India

- ❖ Implemented LLM based app for accurate translation of documents in InDesign, CorelDRAW, MS Office, Canva.
- ❖ Directly working under Dr. Buddha Chandrasekhar, CCO, AICTE to break language barriers in education via tech.
- ❖ Developed Desktop App for IEPF, Ministry of Corporate Affairs to help digitize and analyse scanned documents.
- ❖ Spearheaded book translation projects for NCERT, Skill Ministry, NABH, etc. directly impacting Indian students.

IT Infrastructure Lead **Youth4Nation Foundation** (May 2023 – Jul 2023)
and Software Engineer Intern Internship New Delhi, Delhi, India

- ❖ Established LAMP-based website with member management system with ID card, authentication, auto mailing.
- ❖ Formulated mathematically verifiable algorithm for generating reference codes to prevent letter forgery.

Projects

Collective Alumni Management Portal (Jan 2024 – Mar 2024)

- ❖ Alumni LinkedIn Data Syncing Portal + AI dashboard for prompt-based insights via MongoDB queries + Llama.
- ❖ Innovated ATLAS, Web Sockets-based LinkedIn syncing engine, enabling data collection for 15,000+ alumni.
- ❖ [Link to project](#) (Python, Web Sockets, Selenium, MongoDB, MySQL, Express, React, JavaScript, TypeScript)

FaceTrack (Jan 2023)

- ❖ AI Facial Attendance App to mark attendance using student's facial data, preventing fraudulent attendance.
- ❖ [Link to project](#) (OpenCV, Python, Web Sockets, HTML, CSS, JavaScript, Bootstrap, OpenCV.js)

QueueScan (May 2020 – Jun 2020)

- ❖ App for anonymous virtual queues via any QR code, allowing people management for safe social distancing.
- ❖ [Link to project](#) [published on [Play Store](#)] (Java Android SDK, Apache, HTML, CSS, JavaScript for PWA, Firebase)

DigiFriend (Feb 2021 – Mar 2021)

- ❖ App that transforms your phone into a smart device, enabling continuous hands-free voice-based interaction.
- ❖ [Link to project](#) (Java Android SDK, TTS Service, AWS EC2, NGINX, Flask, Python, MySQL)

Jardle: Offline Java version of Wordle with additional features. [Link to project](#) (Java, Java Swing) (Nov 2022)

TeleOperation (May 2022 – Jun 2022)

- ❖ VR App demonstrating Proof of Concept for TeleOperation, ideated by @akshetpatel. TeleOperation enables remote control of mechanical devices using virtual reality technologies, with 50-60 milliseconds of latency.
- ❖ [Link to demo video](#) (Unity Game Engine, Oculus SDK (C#), TCP Connections)

Skills

Java | Python | C | Selenium | JavaScript | TypeScript | React.js | HTML | CSS | Bootstrap | jQuery | Node.js | Bash
Express | PHP | Apache | NGINX | Flask | FastAPI | Web Sockets | TCP-IP | CGI | MySQL | MariaDB | MongoDB | Git
Native Android (Java SDK) | Oculus SDK (VR) [C#] | Firebase | TensorFlow | OpenCV | PyTorch | AWS EC2 | Unity 3D

Course-Work: OOPS | DSA | Computer Networks | Design Patterns | Cryptography | UI/UX | Computer Architecture

Education

- ❖ Bachelor of Technology, Computer Science Engineering, Manipal University, Jaipur [7.61 / 10] (2021 – 2025)
- ❖ Received Dean's List Excellence in Academics Award for 3rd Semester for scoring 9+ GPA.

Top Achievements and Certifications

- ❖ LeetCode (@abhaytr) - Java: 200-, 100- and 50-Days Badge 2024, 50 Days Badge 2023, 9 Daily Coding Badges.
- ❖ Developing a patent for identifying "Deepfake" videos and easier typing for smart glasses, such as Meta Orion.
- ❖ Cleared Aptitude Round of Goldman Sachs Engineering Campus Hiring Program 2023 for Summer Analyst role.
- ❖ [Goldman Sachs Virtual Engineering Program](#) | [OOP in Java \(by UC San Diego\)](#) | [Data Structures \(by UC San Diego\)](#)