

# ABHAY TRIPATHI

Final Year B.Tech CSE Student (2025 Batch)

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## Experience

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|---|---|---|
| <b>Software Engineer Intern</b>   | <b><u>All India Council for Technical Education (AICTE)</u></b><br>(Internship) | <b>[May 2024 – Present]</b><br>Delhi (India)              |
| <ul style="list-style-type: none"><li>❖ Automated 75% of the translation process for 721 Skill Books in 9 Indian Languages for use in Skill Training Centres across India by the Ministry of Skill Development and Entrepreneurship, GoI. Now working with NCERT to automate 80% of their books translation process.</li><li>❖ Developed Software to translate documents while maintaining 95 - 99% formatting using Made in India LLM based Translator, Anuvadini. Currently working to increase the accuracy of the LLM Model by training the model on new type of data.<br/>(Python, Node.js, React.js, HTML, Cascading Style Sheets (CSS), Express.js, JavaScript)</li></ul>  |   |   |
| <b>Freelance Software Developer</b>   | <b><u>Manipal University Jaipur Alumni Association</u></b><br>(Freelance Work)  | <b>[Mar 2024 – May 2024]</b><br>Jaipur, Rajasthan (India) |
| <ul style="list-style-type: none"><li>❖ Created ATLIS, a Web Sockets-based LinkedIn Syncing Engine, cutting alumni data collection time by 90% and boosting accuracy by 70%.</li><li>❖ Built a custom data pipeline for consistent Alumni Data updates on Almashines (Third Party Official Alumni Database System) using ATLIS.</li><li>❖ Developed an Alumni Data Syncing Portal and a GenAI-based Gemini 1.0 Pro API-powered Dashboard for dynamic data management and visualization with React and Node.js. Created textual description-based insights using MongoDB Queries and Prompt Engineering.<br/>(Python, Web Sockets, Selenium, MongoDB, MySQL, Express.js, React.js, Node.js, Bash, REST APIs, JavaScript, TypeScript)</li></ul> |   |   |
| <b>IT Infrastructure Lead and Software Engineer Intern</b>  | <b><u>Youth4Nation Foundation</u></b><br>(Internship)                           | <b>[May 2023 – Jul 2023]</b><br>Delhi (India)             |
| <ul style="list-style-type: none"><li>❖ Created a LAMP-based Website (optimized for SEO), Member Enrollment System with proper ID Card System and secure SHA-256 based authentication system, digitizing enrollment for over 1000 members and reducing onboarding and members management time by 75%.</li><li>❖ Designed and implemented a mathematical algorithm for generating reference codes to prevent letter forgery, set up automated email capabilities using Python reducing group mailing time by 60%, developed a payment system using Web Hooks and existing solutions.<br/>(JavaScript, Cascading Style Sheets (CSS), jQuery, Apache, MySQL, PHP, HTML, Bash, Bootstrap, Python, Linux)</li></ul>                                |   |   |
| <b>Full Stack Web Developer Intern</b>  | <b><u>Manipal University Jaipur</u></b><br>(Internship)                         | <b>[Jan 2023 – Mar 2023]</b><br>Jaipur, Rajasthan (India) |
| <ul style="list-style-type: none"><li>❖ Worked on appraisal web portal for Manipal University Jaipur, streamlining the process for 500+ staff and reducing time by 60%.</li><li>❖ Improved the portal's security and performance by patching vulnerabilities and optimizing the tech stack. (MongoDB, React.js, Python)</li></ul>   |   |   |

## Projects

- ❖ **FaceTrack**: AI Based Facial Attendance Web App used to mark attendance based on facial data of the students.  
[Link to project](#). (OpenCV, Python, Web Sockets, HTML, CSS, JS, Bootstrap, OpenCV.js). [Jan 2023]
- ❖ **Jardle**: Completely offline Java App Version of the famous word-guessing game Wordle, with extra features!  
[Link to project](#). (Java, Java Swing). [Nov 2022]
- ❖ **TeleOperation**: VR App which is made to demonstrate the Proof of Concept of TeleOperation which was ideated by [@akshetpatel](#). TeleOperation is the ability to control mechanical devices virtually using remote technologies.  
[Link to demo video](#). (Unity Game Engine, Oculus SDK (C#), TCP Connections). [May 2022 – Jun 2022]
- ❖ **DigiFriend**: App which makes your phone like a smart device. Simply keep talking without pressing any buttons.  
[Link to project](#). (Java Android SDK, TTS Service, AWS EC2, NGINX, Flask, Python, MySQL) [Feb 2021 – Mar 2021]
- ❖ **QueueScan**: App for starting virtual queues with any QR code, completely anonymously with no registration/KYC.  
Link: [queuescan.com](https://queuescan.com). (Java Android SDK, HTML, CSS, JS for PWA, Firebase). [May 2020 – Jun 2020]

## Education

Bachelor of Technology - Computer Science and Engineering, Manipal University, Jaipur (7.67 / 10) [2021 – 2025]

- ❖ Received Dean's List Excellence in Academics Award for 3rd Semester for scoring 9+ GPA.

## Top Achievements and Certifications

- ❖ LeetCode - Java: 100 Days Badge 2024, 50 Days Badge 2024, 2023. LeetCode Profile (@abhaytr): <https://leetcode.com/abhaytr>
- ❖ Filed Patent on a Solution to identify "Deepfake" Videos.
- ❖ Cleared Aptitude Round of Goldman Sachs Engineering Campus Hiring Program 2023 for Summer Analyst role.
- ❖ [Goldman Sachs Virtual Engineering Program](#) | [Object Oriented Programming in Java \(by UC San Diego\)](#) | [Data Structures \(by UC San Diego\)](#).