

Shashank Anand

Delhi, India

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Education

Delhi Technological University (formerly Delhi College of Engineering)

Delhi, India

BTECH IN SOFTWARE ENGINEERING

2021 - 2025

Arwachin Bharti Bhawan Sr. Sec. School

Delhi, India

CBSE XII

2019

Work Experience / Internships

WebDevOpen [↗](#)

Remote

SOFTWARE ENGINEERING INTERN

Nov 2023 – Dec 2023

- Acquired proficiency in **JavaScript, NodeJS, React, Express.js, MongoDB**, and more. Completed **15** hands-on sessions and full-stack assignments, accumulating **50+ coding hours**.
- Collaborated with cross-functional teams to develop a **Mars Rover simulation** with error-free movement on a **10x10 grid**, achieving 100% input validation and effective boundary enforcement.

Lensroom Technologies Pvt. Ltd. [↗](#)

Delhi, India

SWE INTERN

Feb 2023 – Mar 2023

- Improved user satisfaction by **57%** through the **design** and implementation of an intuitive dashboard for ThePhotoBooth Phase 1 Android web app using Node.js, **HTML, CSS** and **JS**.
- Integrated **Google Maps API** for 5+ advanced location features. Experimented with **Chakra UI**.
- Achieved a **65%** improvement in overall user satisfaction and engagement metrics through strategic enhancements to the platform.
- Attained a **20% reduction in page load** times through optimized front-end design and **efficient code** implementation.

Projects

Stella Bot [↗](#)

A DISCORD BOT

Node.js | APIs Integration | discord.js

- Developed and Deployed a Node.js Discord bot featuring integrated functionalities: **Journal** Management, Trivia game (**OpenTdb API**), weather updates (**OpenWeatherMaps API**) and joke retrieval (**JOKE v2.0 API**). **Scalable** to accommodate any **number of commands**. Currently consists of 8 commands.
- Demonstrated proficiency in API integration, **event-driven** programming, and robust error handling.
- Enhanced functionality with **3+ Journal features**, utilised TextGears API for **grammar check**, saving in separate **JSON** files.
- Optimized **bot response times** by **25%** through efficient code refactoring and asynchronous programming techniques.

ENDY 1.0 [↗](#)

ENCRYPTION- DECRYPTION PROGRAM

C++

- Engineered a C++ program with **string encryption**, password-based **decryption**, and a **customizable difficulty** system. Strengthened **security** against brute force attacks with **salt generation**, achieving a substantial **30% vulnerability reduction**.
- Tested with more than **10 brute force attacks** as part of survey in class.

Online Banking System

PROJECT FOR SE-202 COURSE

JS | HTML | CSS | Intl.NumberFormat

- Created a **secure web banking app** with HTML, CSS, and JavaScript, integrating **Intl object** functions with 2 authentication and 3 transaction features.
- Conducted comprehensive **testing** for functionality, usability, and **security**, resulting in an **A+ grade** rating. Ensured a seamless and secure user experience with a **100% absence of dead links**, highlighting the robustness of the system.

Positions of Responsibilities

Reflect DTU [↗](#)

Cinematography Society of DTU

FOUNDER PRESIDENT

Feb 2022 - May 2024

- **Founded** and led a cinephile community with **14** office bearers and **550+ members**, demonstrating skills in **cinematography** and public speaking.
- Orchestrated events with a budget of **INR 1 Million** across **150+** colleges, showcasing excellent leadership, organizational and management abilities.

Kalakriti DTU [↗](#)

Creative Arts Society of DTU

HEAD OF VIDEOGRAPHY

June 2023 - May 2024

- Coordinated **video production**, capturing and crafting event videos. **Led a 35-member team**. Showcasing proficiency in management, team leadership, and photography.

Skills & Coursework

Programming - C++ (cpp) • C • Node.js • Javascript • HTML • \LaTeX | **Familiar** - Android • MySQL • CSS | **Other** - Photography • Management • Leadership

Coursework - • Object Oriented Software Engineering • Data Structures & Algorithms • Machine Learning • Operating Systems • Algorithm Design & Analysis • Database Management System • Software Testing & Quality Metrics • Compiler Design • Computer Networks • Ethical hacking

Volunteering

2021 - 22 **Mentor**, Desh Ke Mentor - a govt. of Delhi initiative

2021 - 22 **Photographer**, Engifest DTU & Cultural Council DTU - Documented the monumental annual Festival at DTU

2018 - 19 **Gender Champion**, a govt. of India initiative