

Pratham Shekhawat

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EDUCATION

IIIT Delhi, New Delhi

Masters of Technology - Computer Science

July 2023 – Present

CGPA: 7.89

Maharshi Dayanand University, Rohtak

Bachelor of Technology - Computer Science

Aug. 2018 – July 2022

CGPA: 8.2

LAB WORK - COMPLEX SYSTEMS LABORATORY

AllerStack | Live Link

Guide: Dr. Ganesh Bagler

IIIT Delhi

June 2024 – Dec 2024

- Developed a **MongoDB** database from 11,320 rows of data, ensuring efficient storage and retrieval.
- Integrated a **ML Model** for sequence prediction, achieving **96.87%** accuracy via **RESTful APIs**.

INTERNSHIP

CYBEPRO

Full Stack Developer Intern

Gurgaon, Haryana

July 2022 – Dec 2022

- Worked on both **frontend** and **backend** using **ReactJS**, **NodeJS**, and **MongoDB**.
- Implemented REST APIs into frontend components, significantly enhancing performance and efficiency.
- Optimized backend queries and API responses, reducing processing times by **40%**.

PROJECTS

Secure Social Media Platform | *React.js, Node.js, Socket.io, MongoDB* | Source Code

- Developed a social media platform with end-to-end encrypted messaging, media sharing.
- Implemented **end-to-end encryption** for private and group chats using **AES-256** and **RSA key exchange**.
- Designed a scalable backend with **WebSockets** for real-time interactions.
- Merged **PKI-based authentication** and **OTP-based verification** for secure user identity validation.

CVScan AI | *React.js, Flask, Neon Postgres, Scikit-learn* | Source Code

- Built an **AI-powered resume parser** using **Python** and **NLP**, achieving **90% accuracy** and improving processing speed by **20%**.
- Fine-tuned a **Transformer-based NER model** with **spaCy**, boosting the entity extraction process.
- Optimized **text preprocessing** and **parallelization**, reducing resume processing time up to **300ms**.

SKILLS SUMMARY

Expertise Area: DBMS, OOPS, OS, CN

Languages: Java, Python, C/C++, HTML/CSS, SQL

Technologies/Tools: React, Node.js, Flask, MongoDB, Fast API, Express, Git/GitHub, VS Code, AI tools, Pandas, MySQL, Docker, Kafka, Linux

Technical Electives: Information retrieval, Machine learning, Graduate algorithms, Mobile Computing

POSITIONS OF RESPONSIBILITY

Teaching Assistant at IIITD

Aug 2023 – Dec 2024

- Assisted in tutorials, grading, and invigilation for **IP, Analysis and Design of Algorithms, and CN**.

Member, Orators Society at TIT&S

Oct 2018 – Dec 2019

- Helped organize college events and public speaking competitions.

ACHIEVEMENTS

- Qualified **GATE CSE 2023** Exam.
- Achieved **1600+** rating on [LeetCode](https://leetcode.com/) and the 100 Badge for solving problems over 100 days.