

# Pranjal Adwani

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## EDUCATION

- Indian Institute of Information Technology, Lucknow** Lucknow, Uttar Pradesh  
*B.Tech in Computer Science & Artificial Intelligence - CGPA: 8.9/10* 2021 - 2025

## EXPERIENCE

- D.E. Shaw** | **Technology Developer Intern** May 2024 - July 2024 (Hyderabad)
  - Built a data pipeline using **Debezium** and **Kafka** for real-time SQL change monitoring and **encrypted data distribution** to multiple teams, reducing change transfer time from **30 mins to 1 sec**.
  - Designed a generic infrastructure that supports **customizable actions and transformations**, containerized with **Podman** for enhanced user interaction and team collaboration.
  - Released the project into production while ensuring **96%** unit test code coverage.
- Research Intern** | **Dr. Rahul K Verma** January 2024 - May 2024 (IIIT, Lucknow)
  - Developed a novel stacking-based ensemble learning approach for accurate Remaining Useful Life (RUL) prediction, combining different machine learning algorithms and feature selection techniques.
  - Analyzed the literature on predictive maintenance in Industry 4.0 research papers and compared the accuracy and trade-offs, resulting in the writing of a new research paper under the supervision of Dr. Rahul K Verma.
- WCARL** | **Drone Development** December 2022 - Mar 2023 (Remote)
  - Designed and developed an information center website to showcase important analytics points for a real-time video-image processing quadcopter project.
  - Core Team Member for the drone project under the **HRD Ministry & State government**

## PROJECTS

- ElderEase - A Personalised Yoga App for the Elderly** | **NextJS, Firebase, Flask, MediaPipe**
  - Developed a project providing real-time feedback and recommendations for yoga poses tailored to elderly citizens. The project features a voice API, progress tracking, and suggested postures based on individual health conditions and personalized preferences.
  - Won the ServiceNow Code to Win Hackathon 2024 with this project, competing against over 32,000 candidates.
  - Contribution: Built a complete frontend and integrated it with backend services. Also partially contributed to implementing MediaPipe for real-time posture correction and angle mapping.
- Personal-Finance-chat-bot (Hackathon-project)** | **Python, Neuralintents, MongoDB Atlas**
  - Developed a personal finance chat-bot manager for Telegram that analyzes bank statements and offers extensive features including portfolio management, real-time market information, and personalized stock plots.
  - Contribution: Implemented MongoDB Atlas integration using pymongo to store and calculate predictive values based on input CSV file, while designing an optimized table structure for rendering.

## ACHIEVEMENTS

- National Winner @ServiceNow Hackathon:** Won the ServiceNow code-to-win Hackathon among more than 32,000 contestants. Feb 2024
- Google Generation Scholar:** Selected as one of the Top 50 among 7,000+ applicants in Asia. Aug 2023
- D.E. Shaw Mentorship:** Selected as a mentee, ranking in the Top 40 out of 7,000+ applicants. Apr 2023
- D.E. Shaw Hackathon:** Achieved Runner-Up position in the competition. Apr 2023
- Hack-o-Fiesta 3.0 Hackathon:** Secured Runner-Up (Rank 2) among 4,000+ participants. Apr 2022
- Google Codejam'22:** Ranked 1224 globally in Round A and qualified for Google Hash Code'21. Apr 2023
- Ericsson Women Empowering Scholar:** Recognized for excellence in tech, ranking in the Top 100. Jan 2023
- American Express Coding Competition:** Ranked 1412 out of 75,000+ applicants. Dec 2022
- Open Source:** Successfully got 6+ PRs merged to different repositories and completed Hacktoberfest. Jan 2022
- Leetcode:** Rated 1728+ with 500+ questions solved. Jan 2023
- Leetcode Contests:** Secured a rank of 1103 / 21700+ in Weekly 319 and 1131 / 18900+ in Biweekly 91.

## SKILLS

- Languages/Frameworks:** C++, ReactJS, NodeJS, ExpressJS, JavaScript, TypeScript, Python, C, SQL, MongoDB, Tailwind CSS
- Tools / Platforms:** Kafka, Debezium, Podman, Git, GitHub, SQL, NoSQL, Unit Testing, Docker
- Courses:** Web Development, Data Structures, Operating System, Design Analysis and Algorithms, DBMS

## POSITIONS OF RESPONSIBILITY

- Women in Tech Lead Community, IIIT Lucknow** Jan 2023 - Present  
*Inspire and guide fellow female students to explore new domains in the field of tech.*