

# AADHIRA RANJAN

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## Summary

**Third-year B.Tech IT student** skilled in **full-stack development**, **RESTful API design**, and database systems using **MongoDB** and **MySQL**. Experienced with **React.js**, **Node.js**, **Express.js**, and **Agile methodologies**, with strong foundations in **System Design**, **OOP**, and version control using **Git & GitHub**.

## Education

**Noida Institute of Engineering and Technology, Greater Noida**

**2023 – 2027**

*B.Tech in Information Technology*

*CGPA: 8.67*

## Experience

**CodSoft**

**Jul 2024 – Aug 2024**

*Python Developer Intern*

*Remote*

- Built and deployed interactive **Python GUI applications** (TikTok game, To-Do List, Stone Paper Scissors) using **Tkinter**, enhancing **user engagement** and UI performance.

**Smart India Hackathon 2024 – Finalist**

**Mar 2024**

*Full Stack Developer*

*Remote*

- Engineered** “Safar”, a seamless **travel web platform** enabling users to **hire local guides online**, with features like **ticket booking**, **local vendor listings**, and **chatbot support**, significantly improving **user experience** and **scalability**, while increasing **guides’ income by 40%** through optimized interactions and bookings.

## Skills

- Languages:** Python, Java, C++, JavaScript
- Web Technologies:** HTML5, CSS3, React.js, Node.js, Express.js
- Databases:** MongoDB, MySQL
- Tools & Frameworks:** Git, GitHub, Postman, Tkinter, Java Swing
- Concepts:** Data Structures & Algorithms, Object-Oriented Programming (OOP), System Design, RESTful APIs

## Projects

**Never Miss Your Cycle – Women’s Health Web Platform**

**Present**

*Full Stack Developer — Mini Project*

- Developed a comprehensive full-stack web application** for women’s health, featuring **cycle tracking** and **personalized dashboards**, resulting in a **25% improvement in user engagement and retention**.
- Enhanced data accuracy by 30%** through **real-time logging** and optimized **authentication processes**, while improving **cycle logging functionality** and reducing **crash rates by 40%** with targeted **debugging** and **user feedback integration**.
- GitHub Repository:** [github.com/aadhira18/NeverMissYourCycle](https://github.com/aadhira18/NeverMissYourCycle)

**Online Quiz Platform**

**Present**

*Full Stack Developer*

- Built a scalable online quiz platform**, supporting **multi-user, multi-subject tests**, reducing **server load time by 20%** and improving overall **performance** and **data retrieval speed**.
- Created and Constructed** an **admin panel** for **question management**, **real-time result tracking**, and **data-driven reporting**, improving **user engagement** and boosting **administrative efficiency**.
- Implemented session management and backend logic**, ensuring **smooth operation** with minimal downtime
- GitHub Repository:** [github.com/aadhira18/DBMSProject](https://github.com/aadhira18/DBMSProject)

## Certifications

- Comprehensive Training on Unix and Linux OS Fundamentals** – Infosys Springboard
- Data Structures and Algorithms (DSA) Using Python** – Infosys Springboard
- Object-Oriented Programming (OOP) Using Python** – Infosys Springboard

## Achievements

- Solved 120+ DSA problems on LeetCode** – [leetcode.com/aadhira](https://leetcode.com/aadhira)
- Finalist, Smart India Hackathon 2024 – Streamlined** an innovative **travel platform** enhancing **user experience** and supporting **local guides**, ranked in the **top 50** out of **300 teams**, demonstrating **technical expertise**.
- Organized and led a college-wide **Hackathon with 100+ participants**, focused on frontend innovation and design thinking.
- Culture Head, Green Gold Club – Led **eco-awareness initiatives** and **sustainability campaigns** at **NIET**, managed **CSI Club social media** and boosted **LinkedIn engagement by 30%**; planted **1000+ trees in 5 months**.