

# AADHIRA RANJAN

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## Summary

Second-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: 8.32

## 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
- Methodologies:** Agile Development, UI/UX Principles

## 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

- 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**.