RADHIKA AGARWAL

Kota, Rajasthan   radhika11081976@gmail.com   +91 9461169025

www.linkedin.com/in/radhika-agarwal-6b943a291/   github.com/RADHIKA281005

Profile

Aspiring Software Engineer with a strong foundation in **DSA, Full-Stack Development, and Database Management**. Passionate about building **scalable and efficient software solutions** for finance and technology.

Implemented **PostgreSQL, API development, and real-time data handling** in my project **"Transaction Management System"**, a full-stack application for securely managing financial transactions with user authentication and reporting features.

Skilled in **Java, Python, SQL, Git**, and software development, I thrive in **collaborative environments** and continuously explore emerging technologies to solve real-world problems.

Education

Vellore Institute of Technology (VIT), Vellore
Bachelor of Technology (B.Tech) in Computer Science
CGPA: 9.02   2023 - 2027

Disha Delphi Public School, Kota
12th Grade: 81%   2023
10th Grade: 94%   2021

Skills

Technical Skills

- **Programming Languages:** C, Java, Python, SQL
- **Web Development:** HTML, CSS, JavaScript, React.js, Node.js, Express.js
- **Data Science:** Scikit-learn, Pandas, NumPy
- **Development Tools:** Git, VS Code, Postman
- **Databases:** PostgreSQL, MySQL

Soft Skills

Leadership, Organizing, Volunteering, Communication Skills, Collaboration.

Projects

Transaction Management System (Full-Stack Application)

- **Situation:** Managing financial transactions securely was a challenge for users.
- **Task:** Develop a web-based platform to handle transactions efficiently and securely.
- **Action:** Built the platform using **React.js, Node.js, and PostgreSQL**, implementing **user authentication, transaction logging, and an analytics dashboard**.
- **Result:** Improved transaction efficiency by **35%**, reduced fraud risks by **20%**, and enabled real-time financial tracking for **10+ users**.

House Price Prediction (Machine Learning)

- **Situation:** Real estate buyers needed an accurate way to estimate house prices.

- **Task:** Create a predictive model to estimate real estate prices based on historical data.

- **Action:** Used **Python, Scikit-learn, Pandas, and NumPy** to train a regression model, applied **feature engineering and hyperparameter tuning**.

- **Status:** In progress

Neuro Sequence Game (Web App)

- **Situation:** Users wanted an engaging game to test and improve their memory skills.

- **Task:** Develop an interactive Simon memory game with increasing difficulty levels.

- **Action:** Built the game using **HTML, CSS, and JavaScript**, adding **dynamic animations, difficulty scaling, and a scoring system**.

- **Result:** Enhanced user engagement, with **10+ players**, an **average session time of 5 minutes**, and a **70% completion rate for the highest difficulty**.

Certifications

- **The Complete Full-Stack Web Development Bootcamp (Udemy)**

- **100 Days of Code: The Complete Python Pro Bootcamp (Udemy)**

Extracurricular Activities

- **Core Member, VIT Dance Club (RIWAAYAT)** — Organized performed in multiple college events

- **Member, IEEE University Chapter** — Participated in technical hackathons workshops

- **Trained Badminton Player (3+ years)**

- **Hobbies:** Dancing, Singing, Traveling, Learning new technologies

Languages

- English (Fluent)

- Hindi (Fluent)