

# Aditya Rai

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## Education

**Bennett University**, Greater Noida, India  
*B.E. in Computer Science Engineering*  
Cumulative GPA: 7.6/10.0

*Expected May 2025*

**Board of High School and Intermediate Education, Uttar Pradesh**  
*High School and Intermediate (PCM)*  
Percentage: 86%

*2019 – 2021*

## Work Experience

### Spyne — Software Intern

*May 2025 – Present*

- Contributed to the development of an in-house quality control tool, reducing code redundancy and streamlining workflows.
- Migrated flows from a cron-based architecture to an event-driven system using Kafka and Redis Streams, reducing latency by **90%**.
- Designed and maintained RESTful APIs with schema validation, pagination, and structured logging.
- Implemented Redis-based caching to improve performance of read-heavy endpoints.
- Identified and resolved backend bottlenecks, resulting in a **30%** performance improvement across services.

### Uniphil International — Software Intern

*Aug 2024 – Mar 2025*

- Refactored EJS-based templates, reducing design redundancy by **20%** and improving accessibility.
- Integrated dynamic backend data using Express.js and REST APIs, enhancing UI consistency.
- Resolved legacy bugs and increased code stability by **20%**; optimized developer onboarding.
- Implemented Git version control and enforced coding standards using linters and VS Code.

## Projects

### Codetrac – Full-stack Coding Tracker [\[GitHub\]](#)

*Jan 2025 – Present*

- Built a scalable PERN stack web app to track LeetCode/Codeforces progress.
- Used Supabase Auth + PostgreSQL for user data; deployed a cloud-native backend.
- Focused on UI performance, minimal design debt, and clean architecture patterns.

### GitHub Profile Searcher – GitHub Info Dashboard [\[GitHub\]](#) [\[Live\]](#)

*Apr 2025*

- Built using React + TailwindCSS to fetch GitHub user data via public API.
- Integrated Axios for real-time response and ensured accessibility compliance.

### Tech Blog – Blogging Platform [\[GitHub\]](#)

*Dec 2024 – Jan 2025*

- Developed EJS + Express.js blog with complete CRUD functionality.
- Employed modular routing, enhancing maintainability and clean backend structure.

## Skills

**Languages:** JavaScript, **C++**, Python, SQL

**Backend:** Node.js, Express.js, REST APIs, Kafka, Redis, Async Processing, WebSockets, API Versioning, Rate Limiting, Message Queues (Kafka), Error Handling Middleware

**Frontend:** React, TailwindCSS, EJS, HTML/CSS, Bootstrap

**Database:** PostgreSQL, MongoDB, Elasticsearch, Query Optimization, DB Normalization/Denormalization

**Tools:** Git, GitHub, Postman, Swagger, JMeter, Docker (basic)

## Certifications

- Full-Stack Web Development — **Udemy**, Apr 2025
- Project Management — **Coursera**, May 2024
- Kotlin Programming — **Coursera**, Apr 2023

## Profiles & Interests

- DSA & Web Dev | System Debugging | Backend Performance
- [LeetCode](#) [GeeksforGeeks](#) [Coding Ninjas](#)