

# Adrin T Paul

+91-9313937252 | [adrinpaul29@gmail.com](mailto:adrinpaul29@gmail.com) | [LinkedIn](#) | [GitHub](#) | [LeetCode](#)

## EDUCATION

### Noida Institute of Engineering and Technology

Bachelor of Technology in Mechanical Engineering, CGPA: 7.3/10.0

Greater Noida, Uttar Pradesh

2017 – 2021

### AcSIR(Academy of Scientific and Innovative research)

Postgraduate Diploma in Precision measurements and quality control, CGPA: 7.1/10.0

Delhi

2023 – 2024

## TECHNICAL SKILLS

**Programming Languages:** Java, Python(Basics), JavaScript, HTML, CSS

**Frameworks:** REST & Microservices (Java Spring Boot), Node.js, ExpressJS, React.js, Next.js

**Databases & Messaging Systems:** MongoDB, PostgreSQL

**Developer Tools & Platforms:** Git, GitHub, Docker(Basics)

**Testing & Monitoring:** Splunk, Postman

**Core CS:** Data Structures, Algorithms, OOP, Database design

**UI Frameworks:** Material UI, Joy UI, Tailwind CSS, Bootstrap

**Performance:** Core Web Vitals, Lighthouse Optimization, Lazy Loading, Code Splitting, Memoization

**AI:** Prompt engineering, AI-assisted development workflows, LLM Integration (Open AI and DeepSeek API's), Retrieval-Augmented Generation(Rag) Basics, AI-driven Debugging & Code Optimization, AI for System Design & Architecture Reasoning

## EXPERIENCE

### Full Stack Developer, CSIR India

Jan 2024 – Present

- Currently developing an Internal IP Filing Portal using **Next.js, React.js, Node.js, Express.js and PostgreSQL**.
- 35% improvement in backend performance by using query optimisation and better data modelling.
- Massive improvement in Session handling and Authentication protocols from existing applications.
- Developed optimized, reusable React Components with clean and responsive layouts.

### Web Development Intern, CodeClause

May 2023 – Jun 2023

- Developed responsive web applications using **HTML, CSS, JavaScript, Node.js, Express.js and MongoDB**.
- Used EJS templates for conditional rendering.

### Assistant Executive (CS), Electronic Arts (EA)

Aug 2021 – Mar 2022

- Supported operational workflows for EA platforms and improved issue resolution efficiency by **15%**.
- Collaborated with engineering & QA teams to debug live issues and improve user experience.
- Gained insight into **large-scale systems** and live service reliability.

## PROJECTS

### LinkedIn-Style Professional Social Platform

| *React.js | Node.js | PostgreSQL | Java Spring Boot Microservice |*

[GitHub Link](#)

- Building a platform with posts, nested comments, user profiles, media uploads, and real-time engagement features.
- Designed a **Fan-Out on Read Feed architecture** with pagination, enrichment, and follower-based post aggregation for scalable timeline generation in a **Java Spring Boot Microservice**.
- Implemented **session & JWT layered authentication** between Express Server and Spring Boot Microservice for secure internal API calls.
- Built an **HLS Video streaming pipeline using FFmpeg to convert uploaded MP4s into .m3u8 playlists and chunked .ts segments for scalable, seek-optimized playback**.
- Optimized database schema in **PostgreSQL** for posts, comments, messages and connection relationships with efficient indexing and query patterns.
- Implementing scalable database design, API modularization, and responsive UI components.
- Applied **AI-assisted development and prompt engineering** for faster debugging, schema design and system design validation.

### Management System (Internal) CSIR India

| *Next.js | Node.js | Express | PostgreSQL | Redux*

- Developed a IP filing Portal enabling secure uploads, validations, and status tracking.
- Implemented modular backend services and optimized queries for responsive performance.

## **YelpCamp Web App** | *Node.js | Express | MongoDB | Cloudinary | Mapbox*

- Developed a full-stack CRUD application with geolocation mapping and image uploads.
- Deployed with scalable architecture and clean routing.

## CERTIFICATIONS

---

**Web Developer Bootcamp** ([Udemy](#), Jan 2023)

**Google Cybersecurity Specialization** ([Coursera](#), Jun 2025)