

Adrin T Paul

+91-9313937252 | 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)