

Adrin T Paul

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EDUCATION

Noida Institute of Engineering and Technology <i>Bachelor of Technology in Mechanical Engineering, CGPA: 7.3/10.0</i>	Greater Noida, Uttar Pradesh 2017 – 2021
AcSIR(Academy of Scientific and Innovative research) <i>Postgraduate Diploma in Precision measurements and quality control, CGPA: 7.1/10.0</i>	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
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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 <i>React.js Node.js PostgreSQL Java Spring Boot Microservice</i> GitHub Link
<ul style="list-style-type: none">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 <i>Next.js Node.js Express PostgreSQL Redux</i>
<ul style="list-style-type: none">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)