

Arnav Ticku

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PROJECT EXPERIENCE

ProfConnect

 [Repository](#)

Node.js, Express.js, MongoDB, SerpAPI, Cloudinary, JWT, Google OAuth2

A platform enabling professors to search, save, and manage research papers efficiently.

- Engineered secure REST APIs and authentication workflows for research management.
- Implemented **RBAC** for Admin and User roles, strengthening data access control.
- Integrated **SerpAPI** for real-time paper discovery and **Cloudinary** for storage.
- Optimized database queries with **MongoDB aggregation**, improving performance by 30%.

Case Management System

 [Repository](#)

Node.js, Express.js, PostgreSQL, Prisma, Firebase, Cloudinary

A backend solution for managing cases, payments, and client workflows.

- Developed RESTful APIs to manage case lifecycles and client operations.
- Implemented **RBAC** for Admin, Manager, Finance, and Client roles with JWT/Firebase auth.
- Integrated **PostgreSQL + Prisma** for robust schema design and migrations.
- Enabled secure file uploads and invoice generation using **Cloudinary** and PDFKit.
- Streamlined payment processing and audit workflows, reducing manual tracking by 40%.
- Enhanced reliability through structured logging and systematized error handling.

EXPERIENCE

Web Development Club, IIIT Naya Raipur

Core Member

Contributed to college-wide web applications, improving backend performance and scalability.

- Designed and deployed RESTful APIs using **Node.js, Express.js, MongoDB**.
- Mentored peers on version control and backend optimization techniques.

IEEE Student Branch, IIIT Naya Raipur

Web Master

Led backend development for the IEEE IIIT-NR website, ensuring reliability and uptime.

- Created APIs for event registration and dynamic content management.
- Integrated authentication and MongoDB data pipelines for live updates.

EDUCATION

2023 - 2027	B.Tech in Computer Science, IIIT Naya Raipur	(GPA: 7.7/10.0)
2022 - 2023	Class 12th CBSE, K.C. Public School	90%

CERTIFICATIONS

Java Data Structures & Algorithms + LeetCode Exercises
Complete Web Development Bootcamp

Instructor: Scott Barrett
Instructor: Hitesh Choudhary

SKILLS

Languages	JavaScript, Java, Python, HTML, CSS
Frameworks	Node.js, Express.js, React.js
Databases	MongoDB, MySQL, PostgreSQL
Developer Tools	Git, GitHub, Postman, Docker, Cloudinary, Prisma
Cloud & Deployment	AWS, Vercel
Core Skills	REST API Design, Authentication, Version Control, Debugging
Soft Skills	Problem Solving, Collaboration, Communication, Adaptability, Time Management

Last updated: November 10, 2025