

Arnav Ticku

[GitHub](#) | [LinkedIn](#) | arnavticku01@gmail.com | [+91 8899910156](#)

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