

Aman Biswakarma

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EDUCATION

Indian Institute of Information Technology, Pune

Bachelor of Technology in Computer Science and Engineering — CGPA: 7.26 ↗

2022 – Present

Pune, Maharashtra

Royal Junior College (12th), Jeypore

Intermediate/+2 (CHSE) — Percentage: 85.83% ↗

2019 – 2021

Koraput, Odisha

EXPERIENCE

Software Developer Intern - Truxie Logistics

May 2025 – Present

Tech Stack: NestJS, TypeScript, PostgreSQL, Docker, Jest, CI / CD pipelines, Redis, Kafka, Supabase

- Designed and built a **notification service** from scratch, enabling user-specific, priority-based alerts with **optimized system design** and integrated **push notifications** for the mobile app.
- Built an **admin module for authorization-driven workflows**, developed **database seeders** using Faker, implemented **unit testing with Jest**, and optimized **CI/CD pipelines for automated testing and deployments**, while leveraging **transactional queries** reducing data load-time and improve overall performance by **25%**.

PROJECTS

Connect-U — BTP 3rd Year - October 2024

GitHub ↗

Tech Stack: JavaScript, Tailwind, MongoDB, Express, React, Node.js (MERN), Docker, ML libraries

- Developed a **full-stack dynamic MERN** platform to connect daily wage laborers with contractors, ensuring fair-pay employment by eliminating financial exploitation by intermediaries.
- It provides an **intuitive React.js based UI** with **smart search and filters** using results from **thoroughly trained ML models** based on user location, skills, and ratings for relevant job discovery.
- Ensured **secure sessions** by implementing **role-based access control**, scalable **MongoDB** data handling, and **real-time** Client and Worker communication using **Socket.io** and notification updates using **Twilio APIs**.

Product Service API - Backend System

GitHub ↗

Tech Stack: Java, Spring Boot, MySQL, JPA, Postman, Next.js

- Developed a **RESTful API** service using **Spring Boot**, **MySQL** and **JBA** **CRUD** operations with structured **system design**, including **DTOs**, **repositories**, and **layered components**.
- Integrated the **Fake Store API** to fetch real-time product data. **API endpoints** were tested using **Postman**, applying RESTful best practices and **optimizing database interactions** for efficient performance.

E-Library System — Hackathon - May 2024

Github ↗ | Deployed App ↗

Tech Stack: JavaScript, Bootstrap, Node.js, Express, EJS, MongoDB.

- Built a **responsive E-Library platform** with book preview, download, online reading panel. Implemented advanced search functionality and robust **role-based access control** to enhance user experience and **security**.
- Designed 7 UI pages using **HCI principles**, improving backend performance and reducing load time by 30%.

SKILLS

Programming Languages: C, C++, Python, Java, JavaScript.

Development: Docker, Kubernetes, Socket.io, Bootstrap, Springboot, Node.js, Express.js, React.js, Next.js ↗.

Coursework: Data Structures & Algorithms, DBMS, Operating Systems, Object Oriented Programming, AI (ML/DL), Computer Networks, EM (I-IV), DevOps (Cloud Computing), HCI, Software Engineering, ISS (Cybersecurity).

Database/Hosting: MySQL, MongoDB, Redis, Kafka, AWS, Vercel, Render ↗, Railway ↗.

IDE/Tools: Linux (Ubuntu), Postman, Eclipse, IntelliJ, Jupyter Notebook, Google Colab, Git, GitHub.

CONTRIBUTIONS AND ACHIEVEMENTS

- Current **head of R.O.F.I.E.S.** (robotics community of IIIT Pune) leading a team of 200+ members.
- Core member of **Editorial team of Eminence'24** - Official annual magazine of IIIT Pune.
- Co-head of Marketing and PR for IConclave'23 - Official annual Techno-Cultural fest of IIIT Pune.
- Consistent on **LeetCode** - Solved 250+ questions, 150+ days streak, and earned 8 badges.