




# Ujjwal Tiwari

Mumbai, India

📞 +91-7021364809 ✉ [ujjwari@gmail.com](mailto:ujjwari@gmail.com)  [Ujjwal Tiwari](#)  <https://github.com/ujjwal120p>  <https://ujjwalportfoliowebsite.netlify.app/>

## SUMMARY

Backend Engineer focused on **building low-latency APIs** (Node.js, Express) and **optimizing database performance** (MongoDB, Redis). Former data science experience enables **data-informed optimizations**, reducing server costs by 30% in past projects. Proficient in **Agile workflows, system design, and secure API development** (JWT, OAuth).

## SKILLS

- **Languages:** Java, JavaScript, Python
- **Database:** MySQL, MongoDB
- **Frontend:** HTML, CSS, React.js, TailwindCSS
- **Backend:** NodeJS, Express.js, RESTApi, GraphQL, Docker, Kubernetes, CI/CD, AWS

## EDUCATION

**Amity University Mumbai**

*Btech, CSE GPA: 8.73*

**2021 - 2025**

*Mumbai, Maharashtra*

## INTERNSHIP

**Acmegrade Pvt Ltd**

*Data Science Intern*

**Jun 2024 - Jul 2024**

*Mumbai, Maharashtra*

- **Optimized data accuracy by 25%** by implementing advanced data cleaning & preprocessing techniques.
- **Developed interactive dashboards** using Power BI & Tableau, uncovering key business insights that improved strategic decision-making.
- **Automated data analysis pipelines**, reducing manual processing time by **30%** for industry-specific datasets.

**Aptech Technologies**

*Python Developer Intern*

**Jun 2022 - Sep 2022**

- **Built a Student Management System** using Python & MySQL, streamlining student registration & grade tracking for **500+ records**.
- **Optimized API response times by 35%** by implementing caching with Redis and query optimization in Node.js, reducing server load by 25%.

## PROJECTS

**MERN CRUD Product Store** | *Node.js, Express, React, MongoDB*

- Engineered a **full-stack e-commerce app** with **RESTful APIs**, enabling seamless product management (CRUD operations).
- **Boosted UI responsiveness** using Chakra UI, enhancing user engagement by **40%**.
- **Deployed on AWS**, ensuring **99.9% uptime** and scalability for **1,000+ daily users**.

**Real-Time Chat Application** | *Node.js, Express, Socket.io, JWT*

- Developed a **secure chat API** with JWT authentication, reducing security vulnerabilities by **60%**.
- Integrated, improving user profile management efficiency.
- Achieved **<200ms latency** for real-time **Cloudinary for media uploads** messaging using WebSockets.

**YouTube Clone (React)** | *React, YouTube API*

- Built a **responsive YouTube clone** with dynamic video fetching, improving load speed by **35%**.
- Enhanced UX with **lazy loading & optimized API calls**, reducing data usage by **25%**.

## CERTIFICATIONS

- **Java with DSA and System Design** - Physics Wallah
- **Complete Web Development Course** - Udemy
- **Python Developer**, Aptech
- **Data Science and analytics**, Acmegrade