

# Arnav Sharma *Software Developer Engineer*

✉ arnavsharma2711@gmail.com ☎ 9773744766 📧 arnavsharma2711 🌐 arnavsharma2711 📁 Portfolio

## 📁 EXPERIENCE

### Uolo EdTech

*Software Developer Engineer - I*

April 2025 – present | Gurugram, India

*Tech Stack: React.js, Node.js, Express.js, MongoDB, PostgreSQL, Elasticsearch, AWS SQS, Redis, RabbitMQ*

- Built a scalable **Python Dynamic Report Generation Pipeline** supporting Excel templates, using microservices architecture and RabbitMQ for async job queues; processed **10K+ reports/day** with **99.9% uptime** during peak usage.
- Rolled out a **centralized API Error Interceptor** with real-time alerts across the ERP Portal, exposing issues in **30+ APIs** to enhance reliability and reducing developer debugging time by **60%**.
- **Automated video localization** using Assembly AI and Murf AI, **converting British to Indian English accents** and reducing editing time by **90%** to under **10 mins** per video enabling fast content rollout.
- Migrated a microservice from **Node.js v16 to v22**, enabling compatibility with latest dependencies resulting in a **20% reduction in memory usage** and **improved startup time by 30%**

*Associate Software Developer Engineer*

June 2024 – April 2025 | Gurugram, India

- Superheaded and **implemented a scalable data pipelines** for **PostgreSQL Elasticsearch synchronization** with a custom schema, reducing API latency by **40%** and database load by **30%**.
- **Launched an ERP system with event-driven design** for the Success Team to automate training requests, notifications, and scheduling Google Calendar Events, **reducing manual effort by 80%**.
- **Streamlined division setup data migration** across years, reducing annual migration time by **95%** for the Content Team across **10K+ schools**.

### Scaler Academy

March 2023 – April 2024 | Bengaluru, India

*Software Developer Engineer Intern* 🌐

*Tech Stack: Ruby on Rails, MySQL, Sidekiq, React.js, Redux, Redis*

- **Built version-controlled content pipeline** integrated with AWS S3 for **improved content traceability and rollback safety** improving content quality by **15%** and Content & SEO team efficiency by **20%**.
- **Enhanced user interaction and retention rates** in articles by **15%** and **10%**, respectively, through the introduction of the MCQs based test feature "Topics QuizPop".
- **Monitored and resolved production issues with** for the Topics Team, achieving **95%** SLA compliance and boosting platform reliability for **100K+ monthly active users**.

## 🧠 SKILLS

**Languages:** JavaScript, TypeScript, C++, C, Ruby, Python, HTML, CSS

**Frameworks:** ReactJS, NodeJS, ExpressJS, Ruby on Rails, Tailwind.css, Material-UI

**Database & Developer Tools:** MySQL, Postgres, MongoDB, Elasticsearch, Jenkins, Git, Firebase, Appsmith

**Coursework:** Data Structures and Algorithms, Object-Oriented Programming, Database Management System

## 📁 PROJECTS

### Pianifica: Project Mangement Dashboard

 🌐

*Technology Used: Next.js, Express.js, Node.js, PostgreSQL, Redux Toolkit, Prisma ORM, Tailwind.css*

- Robust Full-Stack Project Management application to streamline workflow and enhance team collaboration.
- **Integrated Redis caching** to store analytics response, reducing database load by **30%** and improving performance under high traffic.
- Designed and **implemented full-proof authentication** with email verification, session management, and encrypted password storage, ensuring **100% secure login**.
- **Engineered a global search system** to efficiently fetch data across multiple models, reducing search latency by **40%** through optimized indexing and query structuring.

## 🏆 HONONRS AND AWARDS

- Hackathon winner, organized by Programming Pathshala and Lovely Professional University
- Honored on the Dean's List, awarded to the top 10% of students for academic excellence.

## 🎓 EDUCATION

**Bachelor of Technology (Computer Science Engineering)**

August 2020 – June 2024 | CGPA: 8.63

*Lovely Professional University, Phagwara*