

# Priyanshu Kumar

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## EDUCATION

**O.P. JINDAL UNIVERSITY** B.TECH IN COMPUTER SCIENCE AND ENGINEERING

June 2025 | Raigarh, Chhattisgarh | CGPA: 7.63/10

**AL-KABIR POLYTECHNIC** DIPLOMA IN MECHANICAL ENGINEERING

June 2021 | Jamshedpur, Jharkhand | Percentage: 82.13%

**KERALA PUBLIC SCHOOL** SECONDARY SCHOOL QUALIFICATION

May 2018 | Jamshedpur, Jharkhand | Percentage: 80.0%

## TECHNICAL STACK

- Programming Languages: Proficient:** C++, Python, JavaScript, SQL • **Experienced:** TypeScript, Java, Linux CLI • **Familiar:** C,  $\LaTeX$
- Web Development & Frameworks:** Node.js • Express.js • React.js • Next.js • Django • DRF • Redux Toolkit • Redis (Upstash) • Tailwind CSS • Shadcn-UI
- Data Science & ML:** NumPy • Pandas • Matplotlib • Scikit-Learn • NLTK • Supervised/Unsupervised Learning • EDA • Feature Engineering
- Databases & Cloud: Relational:** PostgreSQL • **NoSQL & Cache:** MongoDB • Redis • **ORM:** Prisma **Cloud & Hosting:** AWS (EC2, RDS, S3) • Firebase • Cloudinary • Render
- DevOps & Deployment:** Docker • Nginx • Gunicorn
- Tools:** Git • GitHub • Postman • VS Code • MongoDB Compass

## INTERNSHIP

**RUDRAYATI TECHNOLOGIES** FULL-STACK WEB DEVELOPMENT INTERN | GITHUB

Aug 2024 - Dec 2024 | Jamshedpur, Jharkhand (Remote)

- Worked as a Full-Stack Web Development Intern under direct mentorship, contributing to the design, development, and deployment of a production-style MERN application.
- Designed and developed a responsive **real estate marketplace** using the **MERN stack** (MongoDB, Express.js, React.js, Node.js) with Tailwind CSS.
- Implemented **secure authentication and session management** using JWT, Firebase Authentication, and Google OAuth.
- Built end-to-end **CRUD functionality** for users and property listings, covering backend APIs, database models, and frontend integration.
- Integrated **image upload and media handling** using **Firebase Storage** for property listings and user profiles.
- Developed **search and filtering features** to improve property discoverability and user experience.
- Participated in **code reviews, debugging, and feature discussions**, improving code quality and development practices.
- Tested REST APIs using **Postman** and handled error cases through middleware and validation.
- Deployed the application on **Render** and gained exposure to modern tools including **Next.js, TypeScript, shadcn/ui, and NextAuth.js**.

## LANGUAGES

English (Fluent) • Hindi (Fluent)

## PROJECTS

**HARSH ENTERPRISES (E-COMMERCE PLATFORM)**

NEXT.JS | TYPESCRIPT | MONGODB | REDIS | PRISMA | GITHUB

- Developed **SSR-based, SEO-optimized** storefront using Next.js + Shadcn-UI for fast, responsive UX.
- Implemented **TypeScript + Prisma ORM** with clean, scalable MongoDB schema design.
- Added **Redis caching** for product lists, search, and sessions, cutting response times drastically.
- Built secure **JWT auth + Redux Toolkit** workflows for cart, user, and session management.
- Created a role-based **Admin Dashboard** with full CRUD for products, users, and orders, including **analytics and insights** for orders, sales, and users, and integrated **Razorpay** for secure payment processing.

**GROCERY STORE BACKEND — REST API** DJANGO & DRF | POSTGRESQL | REDIS | AWS | NGINX | GITHUB

- Built **production-ready REST API** with JWT auth and role-based access for Customer/Manager/Admin.
- Designed optimized models (User, Product, Cart, Order, PromoCode) with **slug+ID routing**.
- Implemented **search, filters, cart, wishlist, promo codes, and low-stock alerts**.
- Deployed on **AWS EC2 + Nginx + Gunicorn**, using **S3** for media and **RDS PostgreSQL** for DB.
- Delivered full **API documentation + Postman collection** for seamless integration.

**FAKE NEWS DETECTION (NLP MODEL)** PYTHON | SCIKIT-LEARN | NLTK | GITHUB

- Built an NLP pipeline using **TF-IDF + text preprocessing** (tokenization, stopwords, stemming).
- Achieved **90% accuracy**, outperforming baseline models by 15% through tuning.
- Compared **Logistic Regression, SVM, Random Forest** using precision/recall/F1 metrics.

## CERTIFICATIONS

- CISCO Networking Academy:** Cybersecurity (Intro, Essentials) • Networking Essentials • Python Programming Essentials
- INTEL Workshop Series:** Internet of Things (IoT) • AI & Machine Learning • Deep Learning Fundamentals
- NPTEL:** Privacy and Security in Online Social Media (**ELITE**)

## SKILLS & INTERESTS

- Core Skills:** Data Science & ML, Full-Stack Development (MERN, Django), Cloud Computing (AWS), DevOps Basics
- Professional Strengths:** REST API Design, Database Optimization, System Architecture, Scalability, Documentation
- Soft Skills:** Problem Solving, Fast Learning, Communication, Team Collaboration, Adaptability
- Interests:** Reading Tech Blogs, Open-Source Contributions, Music & Podcasts