

# PANKAJ KUMAR GOND

Email: pankajvk211@gmail.com | Phone: +91 6307386578

Portfolio: erpankaj.netlify.app | LinkedIn: linkedin.com/in/pankaj-kumar-gond

Location: New Delhi, India

## PROFESSIONAL SUMMARY

Experienced Full-Stack Developer with 3+ years at Tata Consultancy Services, specializing in government and enterprise platform development. Expert in React.js, Java, Spring Boot, AWS, and CI/CD methodologies. Proven track record in building scalable, event-driven microservices and driving architectural improvements. Achieved 30% reduction in release cycles, 20% improvement in API performance, and recognized for leading cross-functional initiatives that enhanced system reliability and user experience.

## TECHNICAL SKILLS

Frontend:	React.js, Redux, Redux Toolkit, Angular, JavaScript ES6+, HTML5, CSS3, Responsive Design
Backend:	Java, Spring Boot, Spring Framework, Node.js, RESTful APIs, Microservices
Databases:	MySQL, IBM DB2, Amazon RDS, Database Design, Query Optimization
Cloud & DevOps:	AWS (S3, Lambda, SQS), Google Cloud Platform, Jenkins, GitLab CI/CD, Docker
Tools & Methods:	Git, GitHub, GitLab, Postman, Jira, SonarQube, Fortify, Agile, Scrum
Architecture:	Event-Driven Systems, API Design, Performance Optimization, Code Review

## PROFESSIONAL EXPERIENCE

### System Engineer

#### Tata Consultancy Services (TCS)

New Delhi, India | July 2022 – Present

Technologies: React.js, Java, Spring Boot, MySQL, AWS, GCP, GitLab, Redux, REST APIs

- Developed and maintained full-stack applications with optimized RESTful APIs, achieving 20% reduction in response latency through performance tuning and database optimization
- Built modular notification engine supporting multiple delivery channels (email, SMS, push) using React.js, Redux Toolkit, and event-driven architecture
- Integrated cloud services with AWS (S3, Lambda, SQS) to enable scalable, fault-tolerant microservices architecture supporting high-volume government transactions
- Automated CI/CD pipelines using Google Cloud Platform and GitLab, improving deployment efficiency and reducing release cycles by 30%
- Collaborated with cross-functional teams in Agile environment to deliver features meeting functional requirements and quality standards
- Conducted code reviews and implemented best practices, resulting in 25% reduction in production bugs

## KEY PROJECTS

## Neural-ARM: AI-Powered Association Rule Mining - Lead Researcher & Developer

Academic Research Project: Dr. A.P.J Abdul Kalam Technical University

Technologies: Python, TensorFlow, Keras, NumPy, Pandas, Jupyter Notebooks, Neural Networks, Data Mining

- Developed innovative artificial neural network approach for accelerated Association Rule Mining using denoising autoencoders
- Achieved significant performance improvement over traditional ARM algorithms (Apriori, FP-Growth) while maintaining rule quality
- Published 2 peer-reviewed research papers: IJRASET (2022) and River Publishers book chapter (2022)
- Implemented comprehensive comparative analysis demonstrating reduced execution time and improved scalability
- Created end-to-end machine learning pipeline with data preprocessing, model training, and association rule extraction

## Government e-Marketplace (GeM 2.0) - React Developer

Client: Ministry of Commerce, Government of India

Technologies: React.js, Redux, REST APIs, GitLab CI/CD, Microservices

- Developed comprehensive notification module supporting email, SMS, and in-app notifications using React.js and Redux Toolkit
- Integrated secure REST APIs with authentication and authorization mechanisms for government procurement platform
- Collaborated with backend teams to design API contracts and ensure seamless data flow across microservices
- Participated in Agile ceremonies and delivered features within tight government project timelines

## NYSDOL UI Modernization - Full Stack Developer

Client: New York State Department of Labor, USA

Technologies: Java, Angular, Spring Boot, MySQL, Jenkins, IBM DB2

- Contributed to modernization of New York State's unemployment insurance portal, serving thousands of citizens daily
- Developed responsive Angular components integrated with Spring Boot backend services and MySQL databases
- Led proactive debugging initiatives and comprehensive code review processes, reducing system downtime by 25%
- Implemented automated testing strategies ensuring high code quality and system reliability

## Virtual Lab Development - Frontend Developer

Client: Ministry of Education, India (AKTU/IIT Kanpur)

Technologies: React.js, JavaScript, Educational Technology Platforms

- Developed interactive React-based virtual laboratory platform used by 10,000+ students across India during COVID-19 pandemic
- Created engaging educational modules with simulation capabilities for engineering and science subjects
- Collaborated with academic institutions to ensure platform met educational standards and accessibility requirements
- Received Gold Developer Certificate for outstanding national contribution under IIT Kanpur and Ministry of Education

## EDUCATION

---

Bachelor of Technology in Information Technology

Dr. A.P.J. Abdul Kalam Technical University, Lucknow | 2018 – 2022 | CGPA: 7.62/10

## CERTIFICATIONS

---

- AWS Certified Cloud Practitioner - Amazon Web Services
- Microsoft Azure Fundamentals (AZ-900) - Microsoft

## **ACHIEVEMENTS & AWARDS**

---

- Best Team Award - Tata Consultancy Services (2023)
- Golden Developer Certificate - IIT Kanpur & Ministry of Education (2021)
- On-The-Spot Awards (2x) - Tata Consultancy Services (2022, 2023)
- Published research papers on Association Rule Mining algorithms:
  - "Association Rule Mining using FP-Growth and ANN Techniques" - IJRASET Journal (2022)
  - "Advanced Techniques in Association Rule Mining" - River Publishers Book Chapter (2022)