

# PUSHPRAJ PANDEY

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LinkedIn GitHub

## EDUCATION

### Vellore Institute of Technology

Bachelor of Technology in Computer Science and Engineering

September 2022 - Ongoing

CGPA: 7.2 /10

## TECHNICAL SKILLS

**Programming Languages:** Java, Python, C++, JavaScript, SQL, HTML, CSS  
**Frameworks and Libraries:** React.js, Node.js, Express.js, Flask, FastAPI, Redux, Tableau  
**Databases and Cloud Technologies:** MongoDB, MySQL, Git, GCP, AWS, RESTful APIs  
**Relevant Coursework:** Data Structures and Algorithms, Object-Oriented Programming, Database Management Systems  
**Certifications:** Google The Bits and Bytes of Computer Networking, Oracle MySQL HeatWave Implementation, Oracle Data Science Professional

## PROFESSIONAL EXPERIENCE

### Deloitte Australia Technology

May 2025 - June 2025

Software Development Intern (Virtual Internship)

- Completed 15+ hour technology job simulation across 4 core modules via Forage platform.
- Architected 3 software solutions and designed 5 dashboard proposals for client requirements across finance and retail sectors.
- Applied 10+ coding best practices and technology consulting methodologies, achieving 95% completion rate on deliverables

### SmartBridge

January 2025 - March 2025

Full-Stack Developer

- Developed expense tracker application using React, Node.js, and MongoDB, managing 1000+ transaction records with real-time data visualization
- Integrated generative AI capabilities for automated expense categorization and receipt processing, reducing manual data entry by 60%
- Optimized MongoDB database schemas and indexing, achieving 40% faster query performance for expense analytics and dashboard functionality

## PROJECTS

### Rentyor | React.js, Node.js, MongoDB, Stripe API

March 2025 - June 2025

- Car Rental Platform Developed full-stack rental system for 30+ users with JWT authentication, live booking functionality, and Stripe-based payment integration
- Built responsive React frontend with Redux state management, accelerating booking process by 60% for active users
- Deployed Node.js backend with secure MongoDB database, processing 50+ daily transactions with 99.8% success rate
- Optimized backend API queries and caching strategies, enabling faster car searches and supporting over a hundred concurrent user sessions without performance issues

### Pothole Detection System | Flutter, OpenCV, Dart

July 2024 – Apr 2025

- Engineered a cross-platform mobile and desktop app for real-time pothole detection via OpenCV and sensors
- Integrated Python and Java for backend logic, geolocation, and automated reporting with 95% accuracy.
- Integrated GPS-based location tagging to automatically map detected potholes, allowing users to contribute to a centralized reporting system

### MedSync | React.js, Node.js, Express.js, MongoDB

September 2024 - October 2024

- Smart Hospital Management System built end-to-end healthcare management solution covering 6+ departments with real-time OPD queue tracking and automated appointment scheduling across facilities
- Facilitated care for 10+ users via digital registration, intelligent admissions, and AI chatbot support
- Connected 2 hospitals city-wide with centralized data sharing, role-based access, and secure authentication

## ACHIEVEMENTS AND INTERESTS

**Technical Achievements:** Solved 150+ Data Structures and Algorithms problems on LeetCode  
**Interests:** Outdoor Sports, Technical Writing, Listening Music