

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: 7.43 /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