

# Prem Shankar Rai

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## Professional Summary:

Full Stack Developer with hands-on experience building fast, secure web applications. Skilled in Node.js, React.js, Express.js, and MongoDB. Experienced in improving system performance, managing secure sessions, and optimizing projects for scalability. Successfully tested applications with 100+ users, ensuring speed, reliability, and security.

## Education:

### B.Tech in Computer Science & Engineering

PSN College of Engineering and Technology, Tirunelveli

## Technical Skills:

- **Programming & Web Development:**  
HTML5, CSS3, Tailwind CSS, Responsive Design JavaScript (ES6+), React.js, Node.js, Express.js, REST APIs, MongoDB, MySQL
- **Cloud & DevOps:**  
AWS (EC2, S3), Git, GitHub, GitHub Pages
- **Tools & Productivity:**  
Postman, Figma, SEO Basics, File Handling (fs/promises)
- **Soft Skills:**  
Problem Solving, Team Collaboration, Time Management, Communication, Attention to Detail

## Professional Experience:

### Full Stack Development Intern (*April – May 2025*)

- Improved project speed by 40% and securely managed sessions for users.
- Identified and resolved security issues in the web application.
- Developed a cloud-like file storage system with React.js, Node.js, and Express.js.
- Tested the application with 100+ users to ensure fast and secure performance.

### Full Stack Developer – Projects & Training (*Nov 2023 – Present*)

- Built full-stack web apps using Node.js, Express.js, React.js, and MongoDB.
- Designed RESTful APIs with secure authentication and efficient database handling.
- Created responsive front-end interfaces and reusable components.
- Deployed apps on AWS EC2, S3, and GitHub Pages.

## Projects:

### Smart College Library Management System

- Improved book search efficiency by 40% using department and box filtering.
- Added book summaries and release date tracking with React.js, Express.js, and MongoDB.

### My Drive Storage for Local Network

- Developed fast, secure file upload, download, and sharing system.
- Ensured application performance for 100+ users with proper session management.