Sushil Panthi *Full Stack Developer (MERN) | Open to Relocation*

npanthi718@gmail.com +91 7602018437 Nashik-422213, Maharashtra, India Sushil Panthi Sushil Panthi
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PROFILE

Results-driven Full Stack Developer with expertise in the MERN stack and a strong foundation in Computer Applications. Proven track record of developing scalable, high-performance web applications, combining technical skills with a proactive approach to problem-solving. Committed to contributing to dynamic tech environments with innovative solutions.

PROFESSIONAL EXPERIENCE

Full Stack Development Intern, *Innomatics Research Labs* 01/2025 – 03/2025 | Remote
- Built dynamic and interactive user interfaces using React.js, improving the usability and aesthetics of web applications.
- Implemented robust server-side logic with Node.js and Express.js, ensuring secure and efficient data handling.
- Managed and queried data using MongoDB, optimizing application performance through effective data modeling.
- Participated in training sessions to upskill in both frontend and backend technologies, applying new concepts directly to real-world tasks.
- Proactively handled assigned tasks, demonstrating problem-solving skills and a commitment to learning and growth.

Full Stack Development Intern, *Pantech Prolabs India Pvt Ltd* 07/2024 – 01/2025 | Remote
- Utilized MERN stack (MongoDB, Express.js, React.js, Node.js) and modern development practices to build scalable and dynamic applications.
- Worked under the supervision of senior developers, learning and applying best practices in software development.
- Contributed to debugging, testing, and optimizing code to improve application performance and reliability.
- Enhanced technical knowledge through hands-on experience and real-world application of software development concepts.

Tech Intern, *Anishk Sustainable Development Foundation (ASDF)* 04/2024 – 12/2024 | Remote
- Collaborated with a team to develop the "Arka Journal" website, focusing on research and publications related to rural and tribal community initiatives.
- Utilized HTML, CSS, JavaScript, and PHP to build a responsive, user-friendly website for showcasing research papers and publications.
- Worked closely with developers, designers, and researchers to integrate research content seamlessly into the website.
- Enhanced the accessibility and visibility of community-driven research by creating a digital platform for sharing knowledge and innovations.

PROJECTS

Hospital Management System (Lumbini Nepal Hospital), *Using MERN Stack (MongoDB, Express.js, React.js, Node.js)*
- Built a full-stack hospital management system enabling efficient management of appointments, prescriptions, and departments.
- Implemented secure authentication and role-based access control (RBAC) using JWT for data privacy and restricted access.
- Designed scalable RESTful APIs for CRUD operations with robust error handling and MongoDB integration.
- Enhanced user experience with a responsive React.js frontend and Material-UI for a mobile-friendly interface.

Face Recognition Attendance, *Using Python and OpenCV*
- Developed a dynamic and efficient attendance system using Face Recognition Technology. The system automates attendance marking by detecting and identifying student faces from classroom photos.
- The project allows teachers to take attendance by capturing a class photo, automatically marking students present or absent based on face recognition. It also provides a dashboard for managing student details and viewing attendance records.
- Architected a face detection and recognition module leveraging Flask, OpenCV, and Face Recognition Library; the tool is now used by over 20 employees across security teams.

EDUCATION

Bachelor of Computer Applications (BCA), *Sandip University (CGPA : 8.0)* 07/2023 – 07/2026 | Nashik, Maharashtra, India

SKILLS

Programming & Development
MERN Stack (MongoDB, Express.js, React.js, Node.js), Python, Java, SQL, C, C++

Tools & Platforms
Git, Microsoft Office Suite

Data Analytics
Power BI, Data Visualization, Microsoft Excel

Soft Skills
Leadership, Communication, Team Collaboration, Problem Solving

Web Technologies
HTML, CSS, JavaScript

RESEARCH PAPER

HARNESSING MACHINE LEARNING TO DETECT AND PREVENT CREDIT CARD FRAUD, 12/2024
(IEEE Conferences- ARRIA 2024)
- Identified and emphasized crucial anonymized features (V17, V14, and V10) for predicting fraudulent activities, significantly enhancing model performance.
- Highlighted the importance of feature selection and data preprocessing in improving fraud detection systems.
- Demonstrated the potential for implementing machine learning models to significantly reduce financial losses and increase security in financial transactions.