

Manu Tyagi

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Profile

Aspiring Software Developer specializing in React.js, Node.js, React Native, and Machine Learning for building responsive web and mobile applications. Skilled in Full-Stack Development, JavaScript, AI Automation, Spring Boot, and Cloud Computing.

Education

I.M.S Engineering College, Ghaziabad

Jul 2021 – Jun 2025

Bachelor of Technology in Information Technology

- CGPA: 8.06/10.0

M.S. Heritage Senior Secondary School

Jul 2020 – Jul 2021

Advanced Coursework in Physics, Chemistry, and Mathematics

- Percentage: 87.2%

Experience

Research and Development Intern

Noida, India

StudifySuccess Pvt. Ltd.

Jan 2024 – Mar 2024

- Spearheaded research into e-learning technologies and AI-driven analytics, implementing JavaScript-based solutions to boost user engagement by 30%.
- Developed and tested web-based educational tools, reducing content errors by 25%.
- Collaborated with cross-functional teams using SQL, LMS, and Agile methodologies to enhance content delivery, improving completion rates by 20%.

Java Programming Intern

New Delhi, India

Skill Savvy Intern Company

Aug 2024 – Sep 2024

- Designed and optimized Java and JavaScript applications, applying object-oriented programming to enhance performance and reduce runtime errors by 40%.
- Streamlined debugging and testing in Agile projects using SCRUM and JIRA, cutting bug resolution time by 30%.
- Leveraged MySQL, RESTful APIs, Git, and version control to achieve a 35% increase in deployment efficiency.

Personal Projects

Online Auction System

2025

- Developed a full-stack React.js and Node.js application for real-time online bidding, integrating AI Automation for dynamic price recommendations, enhancing user participation by 20%.
- Tech stack: React.js, Node.js, JavaScript, SQL, RESTful APIs, AI Automation, Socket.IO

Chat Application

2025

- Built a React Native mobile application for real-time messaging, utilizing Node.js backend with Socket.IO for seamless communication, improving user interaction efficiency.
- Tech stack: React Native, Node.js, JavaScript, SQL, RESTful APIs, Socket.IO

Nipah Prediction Model

2024

- Developed a Machine Learning model to predict Nipah virus outbreaks, using Python and scikit-learn to analyze health data, achieving 85% prediction accuracy.
- Tech stack: Python, scikit-learn, Machine Learning, Pandas, NumPy

Cloud Management System

2024

- Created a full-stack application using Spring Boot, Thymeleaf, and MySQL for Cloud Computing vendor management, streamlining resource allocation with AI Automation.
- Tech stack: Java, Spring Boot, Thymeleaf, MySQL, SQL, AI Automation

Skills

Languages: JavaScript, React.js, Node.js, React Native, Java, SQL, HTML, CSS

Technologies: Spring Boot, Thymeleaf, RESTful APIs, AI Automation, Machine Learning, MySQL, JDBC, Git, JIRA, CentOS, Linux, AWS EC2, Docker

Soft Skills: Agile Methodologies (SCRUM), Project Management, Team Collaboration, Problem Solving

Certifications

Online Course in Spring Boot

Jul 2024

Infosys

- Mastered Spring Boot framework for building robust web applications.

Personal Information

- Citizenship: Indian
- Languages: Hindi (Fluent), English (Conversational)