

Saurabh Manoj Rai

Software Engineer

+18602628419 | smr9@njit.edu | California, United States | [LinkedIn](#)

Versatile Full Stack Engineer with **3+ years of experience** in developing and optimizing web applications using cutting-edge technologies like ReactJs, Java, and AWS. Skilled in leading end-to-end development cycles, from database design to UI implementation, driving efficiency and enhancing user engagement. Skilled in leveraging modern frameworks and cloud technologies to optimize performance and enhance user experience. Adept at integrating data systems, automating processes, and implementing advanced security protocols to ensure efficient and secure operations.

Skill Set Across: Full Stack Development || Cloud Computing (AWS, Azure) || API Integration || Front-End Development (ReactJs, Angular) || Back-End Development || Database Management || CI/CD Pipelines || Responsive Web Design || Microservices Architecture

TECHNICAL PURVIEW

Programming Languages	Java, .NET, C, Python, PHP, HTML5, CSS3, JavaScript, RestFul API, MySQL, PostgreSQL
Frameworks & Libraries	ReactJs, Node.js, Laravel, NextJs, Nginx, NLTK, Gradle, Maven, React Native, Flask, Spring Boot, Typescript
Cloud Technologies	AWS (EC2, S3, SQS, DDB, OGIS, AGQL Lambda, CloudFormation, SNS, IAM, KMS), Kubernetes
Software & Tools	Git, GitHub, Gradle, JIRA, Slack, Eclipse, Cypress, Docker, VS Code, Microsoft Excel, SDLC

PROFESSIONAL EXPERIENCE

Software Engineer ► 23hourbids | California, United States **Feb. 2024 – Present**

- **Website Development:** Spearheaded the full lifecycle of website development using the PHP Laravel Framework, enhancing user experience by 40% through targeted performance optimizations and responsive design.
- **CI/CD Management:** Streamlined continuous integration and deployment processes, boosting website efficiency by 40%.
- **Feature Implementation:** Delivered 5+ new features in one-month, elevating site functionality and user engagement by 25%.
- **Hosting & Maintenance:** Managed hosting and maintenance, achieving 99.9% uptime. Strengthened security by implementing advanced protocols, reducing vulnerability risks by 50%.

Software Engineer ► Tata Consultancy Services | Mumbai, India **Aug. 2020 – Jul. 2022**

- **Backend Development:** Co-developed a customer service website for CIBC Bank, leveraging Java, JSP, and ReactJs. Integrated AWS services like EC2, Lambda, and S3 for scalable processing and efficient data storage.
- **Cloud Migration:** Led the migration of customer data to the cloud using AWS CloudFormation and RDS, significantly improving operational efficiency and reducing server response times.
- **Feature Enhancement:** Implemented serverless computing frameworks to boost functionality, achieving a 50% increase in site performance.
- **Agile Delivery:** Reduced delivery time by 25% by adopting agile methodologies, CI/CD practices, & automated testing in AWS environments.

Software Engineer Intern ► Tata Consultancy Services | Mumbai, India **Jun. 2019 – Aug. 2019**

- **Mobile App Development:** Co-developed a cross-platform mobile application using React Native, ensuring seamless performance across.
- **Database Optimization:** Optimized MongoDB for efficient data management and retrieval within the mobile application.
- **Chatbot Implementation:** Integrated a highly effective chatbot, achieving an accuracy rate of 85%.
- **Web Services Deployment:** Led implementation of essential web services, completing mobile application within a tight 10-business-day deadline.

EDUCATION

Master of Science in Computer Science ► New Jersey Institute of Technology | GPA: 3.7/4 2022 - 2024
Bachelor of Engineering in Information Technology ► University of Mumbai | 8.41/10 2016 - 2020

ACADEMIC PROJECTS & RESEARCH PAPER

Automatic Text Summarization and Keyword Extraction Using NLP (Research Paper) | IEEE Xplore | Aug 2020

- Developed a system to reduce user surfing time by generating summaries & extracting keywords from multiple site & documents.

Summarize It! | May 2020 || Technologies: PHP, HTML5, CSS3, JavaScript, MySQL, NLTK, SPacy

- Created a model that extracted data from multiple websites and provided summaries and keyword extraction using the TextRank algorithm, achieving 98% accuracy.

Hostel Management System | Sep 2022 || Technologies: PHP, HTML5, CSS3, PostgreSQL, JavaScript, Spring Boot

- Developed a fully functional website for students to search & book hostel rooms, enabling bookings within 1 day of registration.

Online Furniture Store | Nov 2022 || Technologies: ReactJs, HTML5, CSS3, MySQL, JavaScript, MS Project

- Implemented a B2B platform with product recommendations, quick checkout, and real-time order tracking, leading to a 15% increase in sales.

Watch Marketplace | May 2023 || Technologies: PHP, HTML5, CSS3, JavaScript, PostgreSQL, MS Project

- Designed and launched a dynamic C2C watch resale platform, improving seller retention by 30% and buyer engagement by 25%.