

# Priyaranjan Sahoo

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## Education

### Siksha 'O' Anusandhan

Bachelor of Science in Computer Science (CGPA: 9.09 / 10.00)

July 2021-25

Bhubaneswar, Odisha

- **Relevant Coursework:** Data Structures and Algorithms (JAVA), Prob & Stat in CS (Python), Intro to CS II (JAVA), Linear Algebra Computational Applications (Python)

## Experience

### PWC

Trainee

Jan 2024 – June 2024

Bhubaneswar, Odisha

- Implemented microservices architecture using Node.js and Express, improving API response time by 25% and reducing server load by 30%.
- Led a cross-functional Assisted in the deployment and maintenance of applications on cloud platforms, utilizing basic DevOps practices to streamline processes.
- Managed and optimized database systems using Oracle, enhancing data retrieval speed and accuracy.

## Projects

### Emergency Garage Service Web Application | React, JavaScript, CSS, HTML, Node.js, Express, MongoDB

- Created and styled interactive components using React and CSS, ensuring a clean, modern, and responsive design compatible across various devices.
- Implemented the Geolocation API to capture user location and integrated Google Maps API to display and locate the nearest garages, enhancing the service's functionality.
- Developed a service request form with client-side validation and real-time feedback, significantly improving user experience and ensuring smooth navigation.

### Real-Time Chat Application | Android Studio, Java, Firebase (Authentication, Realtime Database, Cloud Messaging), XML

- Designed and implemented the user interface using XML and Android Studio, ensuring a user-friendly experience. Integrated features for profile management and media sharing to enhance usability.
- Utilized Firebase Realtime Database for instant messaging and synchronization. Integrated Firebase Authentication for secure user sign-up, login, and access control. Implemented Firebase Cloud Messaging for real-time notifications, enhancing user engagement.

## Technical Skills

**Programming Languages:** Java, JavaScript, Python, C

**Web Technologies:** HTML, CSS, React.js, Express.js, jQuery, Bootstrap, Node.js, Android SDK

**Databases:** Oracle, MySQL

**DevOps and Cloud:** Basic knowledge of DevOps practices and cloud fundamentals

**Tools and Platforms:** Android Studio, Git, Docker, Jenkins

**Concepts:** Compiler, Operating System, Virtual Memory, Cache Memory, Encryption, Decryption, Artificial Intelligence, Machine Learning, Neural Networks, API, Database Normalization, Agile Methodology, Cloud Computing

## Achievements

- Solved 100+ problems on GeeksforGeeks.
- Secured 2nd place in the science project at the district-level competition.

## Social Engagements

**Volunteer:** at SOA - Proxima held at SOA University.

**Sports-Engagements:** Badminton, chess, cricket, table-tennis.