ROOPAM TYAGI

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Education

Bachelor of Technology in Computer Science & Engineering (CGPA: 8.33)
Dr. A. P. J. Abdul Kalam Technical University, Ghaziabad, Uttar Pradesh *Graduation - Jun 2024*

Experience

PALAT Technologies FPL India Pvt. Ltd. (Restolabs) **Jan 2024 – Present**
Software Developer *Noida, Uttar Pradesh*

- ∗ **Product Transformation Leadership:** Contributed to the backend and frontend development of Restolabs' flagship product, working collaboratively with a team to successfully transform the platform from version 2 to version 3.
- ∗ **API Development:** Architected and integrated 30+ APIs leveraging Node.js, revolutionizing application capabilities and boosting user experience, slashed response time and accelerated data retrieval.
- ∗ **Real-time Driver Tracking:** Contributed to the development of a driver location tracking system using React Native and React.js, which optimized delivery routes, reduced delivery times, and improved customer satisfaction.
- ∗ **Payment Gateway Integration:** Integrated RevitPay gateway, processing secure payments for 500+ orders daily and enhancing transaction reliability.
- ∗ **Security Enhancements:** Integrated an automatic hacker detection system that monitors and blocks suspicious activities when predefined criteria are exceeded, reducing vulnerabilities by 30%.
- ∗ **Bug Resolution Expertise:** Rectified more than 40 critical bugs, strengthening the app's stability and performance.

Winfinity Solutions **Jun 2022 – Nov 2022**
Software Developer Engineer - Internship *New Delhi, India*

- ∗ **Front-End Development:** Designed and developed reusable, modular front-end components to maximize code maintainability and performance.
- ∗ **API Development and Integration:** Developed new APIs from scratch and seamlessly integrated third-party APIs, enhancing application functionality and ensuring smooth interoperability.

Projects

Centralized Authentication System (CAS) | *Node.js, Sequelize, PostgreSQL, Redis, and Kafka* **Aug 2025 – Present**

- ∗ **Scalable Centralized Authentication System:** Designs a robust system to enhance data integrity, streamline authentication processes, and improve user experience with a focus on scalability and efficiency.
- ∗ **Microservices Architecture:** Develops a modular microservices architecture with dedicated services for user management, authentication, session management, and inter-service communication.
- ∗ **Event-Driven Communication:** Integrates Kafka to enable reliable and asynchronous communication between microservices, ensuring a scalable and decoupled architecture.

Odravel (Restolabs) | *React.js, React Native, Node.js, MySQL* **Jan 2024 – Mar 2024**

- ∗ **Efficient Delivery Tracking Solution:** Contributed to the development of a React Native app for real-time order and agent tracking, improving operational efficiency with precise location data and streamlined deliveries.
- ∗ **Admin Interface:** Built a React.js admin interface that enhanced administrative productivity, streamlining fleet management and optimizing order assignment for businesses.
- ∗ **Optimized Delivery:** Employed a systematic approach to analyze and enhance the delivery process, resulting in improved operational efficiency, cost savings, and heightened customer satisfaction.

Technical Skills

Programming	JavaScript, Python, C/C++, Java (Basic), CSS/SCSS, HTML
Frameworks	React.js, React Native, Node.js, NestJS, Django, Express.js, Django Rest Framework
Databases	MySQL, PostgreSQL, MongoDB
Tools	Git, Github, Redux, Material UI, Bootstrap
Others	Firebase, Object-Oriented Programming (OOPs), REST APIs, Agile Methodologies

Achievements & Certifications

- ∗ Winner, Smart India Hackathon (SIH) 2023
- ∗ Solved 400+ LeetCode problems
- ∗ React Based UI Development - TCS AsCEnD