

# Sagar Arora

Email: [sagar.arora198@gmail.com](mailto:sagar.arora198@gmail.com)

LinkedIn: <https://www.linkedin.com/in/sagar-arora-475692234/>

GitHub: <https://github.com/Sagararora198>

Location: Hyderabad, Telangana, India

## Professional Summary

Results-driven Software Engineer with 1.6 years of hands-on experience in enterprise software development, ERP system integration, and full-stack web development. Expertise in SAP ERP systems, plant maintenance modules, microservices architecture. Proven track record in system optimization, database performance tuning, and API development using JavaScript, TypeScript, Angular, and Node.js. Successfully reduced system dependencies by 95%, improved data processing efficiency by 70%, and delivered scalable solutions that drive business growth. Strong analytical and problem-solving skills with ability to quickly learn and implement new technologies in dynamic Agile environments.

## Technical Skills

<b>Programming Languages:</b>	JavaScript, TypeScript, ABAP,
<b>Frontend Technologies:</b>	Angular, React, HTML5, CSS3, TypeScript
<b>Backend Technologies:</b>	Node.js, Express.js, RESTful APIs,
<b>Databases:</b>	MongoDB, Redis

## Professional Experience

- Associate Software Engineer** January 2024 – Present  
*Innovapptive Inc* *Hyderabad, Telangana*
  - Developed and deployed OData APIs in SAP ERP system for seamless data integration between enterprise resource planning systems and external platforms, enabling real-time data synchronization and improving system interoperability
  - Built comprehensive full-stack web applications using Angular, TypeScript, HTML5, CSS3, and Node.js, delivering responsive user interfaces and scalable backend services with modern software architecture and clean code practices
  - Led enterprise-grade business logic migration project from SAP ERP to Custom Web Platform using microservices architecture, successfully reducing ERP system dependency by 95% and improving system configurability through innovative software development practices
  - Designed comprehensive error handling and logging mechanisms for ERP system failures using MongoDB and Redis, implementing automated recovery processes and monitoring systems that reduced system downtime and improved application reliability
  - Developed complex database queries and MongoDB aggregation pipelines that reduced data processing time by 70%, optimizing big data operations from 6+ hours to 1-2 hours using asynchronous programming, cursor operations, indexing, and advanced performance tuning techniques
  - Developed Industrial IoT integrations with OPC UA, PI System, and MQTT protocols for real-time data acquisition from manufacturing systems, creating comprehensive asset health monitoring and predictive maintenance solutions for industrial automation
  - Worked extensively with SAP Plant Maintenance module, gaining deep understanding of data flow across hundreds of SAP tables and creating efficient data mapping solutions for complex business use cases and enterprise integrations
  - Collaborated with functional SAP teams and ABAP development teams, developing expertise in both business process workflows and technical implementation aspects of enterprise ERP systems and custom development
  - Built design systems and UI component libraries using modern JavaScript frameworks, establishing coding standards and improving frontend development efficiency while ensuring consistent user experience across applications

## Education

**Bachelor of Technology in Computer Science and Engineering**  
*MIT Academy of Engineering, Pune University*

2020 – 2024  
*CGPA: 8.2/10.0*

## Key Achievements & Impact

---

- Core team member in new 2.0 product development that became primary selling point for company, directly contributing to acquisition of multiple Fortune clients and generating significant revenue growth through innovative ERP integration solutions
- Achieved 95% reduction in ERP system dependencies through innovative architectural design and microservices implementation, resulting in substantial cost savings and improved system flexibility for customer business add-on implementations
- Improved big data processing efficiency by 70% for operations handling 10+ million records, reducing processing time from 6+ hours to 1-2 hours through advanced MongoDB optimization, indexing strategies, and asynchronous processing techniques
- Reduced business process implementation time by 99% through automation and dynamic configuration systems, eliminating manual coding requirements for new customer onboarding and significantly improving time-to-market for new features

## Key Projects

---

- **PALTU - Street Animal Welfare Mobile Application** 2024  
*Kotlin based Mobile Application* *Kotlin , firebase*
  - Developed comprehensive mobile application in collaboration with NGO to facilitate street animal adoption and welfare, implementing intuitive Tinder-like UI/UX for animal adoption matching system using Kotlin and modern mobile development practices
  - Built integrated veterinary consultation platform connecting pet parents with licensed veterinarians
- **WorkPlaceWonders - Enterprise Asset Management System** 2023  
*Android Application* *Kotlin, firebase*
  - Architected and developed comprehensive digital asset management solution for large organizations, replacing traditional manual tracking methods with automated inventory management, real-time tracking, and reporting capabilities
  - Designed feedback and communication modules enabling organization-wide collaboration, asset review processes
- **Sales Prediction Analytics Platform** 2022  
*Machine Learning & Web Development* *Python, SARIMAX, Angular, Node, Flask, MongoDB*
  - Developed intelligent sales forecasting web application utilizing SARIMAX (Seasonal Auto-Regressive Integrated Moving Average with eXogenous factors) time series model for accurate future sales prediction and business planning
  - Created interactive web dashboard using Angular , Flask and Node enabling business stakeholders to visualize sales trends, generate forecasts, input external factors, and export predictive analytics reports for strategic decision making
  - Implemented offline prediction capabilities allowing organizations to generate forecasts without internet connectivity, ensuring business continuity and enabling deployment in diverse operational environments