

# SANTHOSHKUMAR RAVICHANDRAN

santhosh14.ravichandran@gmail.com / +91 93447 33869

LinkedIn: santhoshkumar-ravichandran / GitHub: santhoshkumarsk14

## PROFESSIONAL SUMMARY

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Data Analyst with 3+ years of experience combining software engineering and analytical problem-solving to deliver data-driven business insights. Proficient in Python (Pandas, NumPy), SQL, Power BI, and data visualization. Experienced in automating data workflows, building interactive dashboards, and translating raw data into actionable insights for strategic decisions. Strong background in Java and backend systems, enabling efficient ETL, API data extraction, and integration with analytical platforms. Currently expanding expertise in Machine Learning and Predictive Analytics.

## TECHNICAL SKILLS

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- **Programming Languages:** Java, Python, JavaScript, SQL
- **Backend Technologies:** Spring Boot, Hibernate, Spring Security, Microservices, RESTful APIs
- **Frontend Technologies:** React.js, Tailwind CSS, JSF
- **Data Visualization:** Power BI, Data Storytelling, KPI Dashboards
- **Data Science Tools:** Python (Pandas, NumPy, Matplotlib)
- **Databases:** MySQL
- **DevOps and Cloud:** AWS (EC2, S3, RDS), Docker, Jenkins, Git, Maven, CI/CD
- **Software Practices:** Object-Oriented Programming, Design Patterns, Test-Driven Development, Agile/Scrum

## CONTINUOUS LEARNING

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### Data Scientist with Machine Learning Program – LogicMojo

June 2024 – Present

- Completed foundational modules covering Python, Pandas, NumPy, and Data Visualization Techniques.
- Gained hands-on experience creating interactive dashboards and analytical reports using Power BI
- Studying supervised and unsupervised machine learning algorithms, data preprocessing, model evaluation techniques, and feature engineering methodologies.

## PROFESSIONAL EXPERIENCE

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### Software Engineer (Contract)

December 2024 – May 2025

ONE Click Solutions

Singapore

- Designed data-driven web applications and dashboards using **Python, Power BI, and SQL**, improving decision accuracy by 35% .
- Architected and deployed a Timesheet Automation System leveraging Microservices architecture, achieving 85% reduction in manual processing errors
- Developed a **Timesheet Analytics System** leveraging MySQL and Power BI to track productivity metrics, reducing manual reporting time by 85%.
- Delivered maintainable code through Object-Oriented Programming principles, industry design patterns, and comprehensive testing methodologies

### Associate Software Engineer

June 2022 – October 2024

Solverminds Solutions and Technologies

Chennai, India

- Spearheaded development of Requisition Management System, achieving 97% customer satisfaction through efficient full-stack implementation

- Constructed enterprise solutions using Java, Spring Boot, JSF, MySQL, and RESTful APIs to meet diverse business needs
- Created automated SQL scripts for generating weekly and monthly performance reports.
- Developed backend logic to extract, clean, and store structured data for financial and inventory reporting.

## KEY PROJECTS

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### Crew Management Portal

*Technologies: React.js, Spring Boot Microservices, MySQL, JWT Authentication, Tailwind CSS, Python*

- Engineered comprehensive full-stack system featuring user authentication, timesheet tracking, reporting dashboards, and administrative panels
- Deployed JWT-based secure authentication with dynamic API routing supporting multi-environment configurations
- Integrated real-time dashboard capabilities using optimized REST APIs with advanced backend query performance
- Refactored frontend to modular component-based architecture; utilized Python libraries (Pandas, NumPy) for data manipulation and Power BI for visualization

## EDUCATION

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### Bachelor of Engineering in Electrical and Electronics Engineering

June 2016 – November 2020

*K. Ramakrishnan College of Technology*

Tamil Nadu, India