

Jay Thummar

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📁 WORK EXPERIENCE

KPI Analyst (Supervisor)

07/2025 – Present | London

Iqos (PMI)

- Analyzed sales and business data to track key performance indicators, leading to a 15% increase in sales for underperforming product categories.
- Managed stock and inventory using data insights, which reduced holding costs by 10% and improved product availability.
- Provided key business insights and created detailed reports, enabling the leadership team to make data-driven decisions that boosted overall efficiency by 25%.

Senior Analyst / Software Engineer

08/2022 – 09/2023 | Mumbai

Capgemini Technology Services

ReactJS | JAVA | SpringBoot | SCRUM | REST Api | SQL | AWS

- Developed scalable backend services using Java and Spring Boot, improving system performance and contributing to full-stack solutions with ReactJS.
- Optimized complex SQL queries, reducing execution time by 15%, resulting in faster database performance and enhanced application responsiveness.
- Architected JavaScript/React frontends with modular components, reducing UI bugs by 40% and accelerating feature delivery.

Frontend Web Developer

04/2022 – 07/2022 | Remote

FactoryJet Private Limited

ReactJS | HTML | CSS | NodeJS | REST Api | Figma | UI/UX

- Implemented Redux for global state management, optimizing complex data flows across React components and reducing unnecessary re-renders by 35%, significantly improving app performance.
- Built responsive, interactive UIs with React Hooks (useState, useEffect, useContext), reducing component complexity by 40% while maintaining high code readability and scalability.
- Developed a real-time dashboard using WebSockets and Redux middleware, enabling live data updates and improving user engagement by 25% through seamless UI synchronization.
- Designed and developed the entire front-end of the website from scratch, crafting reusable React components to create a dynamic and visually appealing user interface.

Data Science and Business Analyst

06/2021 – 08/2022

Sparks Foundation

- Built predictive models (Python/Scikit-learn) for credit risk assessment, improving default prediction accuracy by 20% and enabling data-driven lending decisions.
- Designed anomaly detection algorithms (ML) for fraud monitoring, flagging suspicious transactions with 90% precision, minimizing financial losses.
- Optimized investment portfolio analysis using Power BI DAX and Python, enhancing ROI tracking and stakeholder decision-making efficiency by 25%.

📁 PROJECTS

Instagram Clone

React | Redux | NodeJs | ExpressJs | MongoDB | Heroku

- Developed scalable REST APIs using Node.js, Express, and MongoDB with JWT authentication and role-based access control.
- Built responsive and interactive UIs with React, TypeScript, and Material-UI, creating 50+ reusable components.
- Implemented efficient state management using Redux Toolkit, reducing unnecessary re-renders by 40%.

ResMatch - NLP based Jobs Recommender System

Python | Keras | Autoencoders | TF-IDF Vectors | Cosine Similarity

- Built an NLP-based job recommender system using TF-IDF vectorization and cosine similarity, achieving a 95% match relevance for user profiles and job preferences.
- Optimized TF-IDF with custom tokenization (lemmatization, n-grams), reducing noise in job descriptions and boosting match precision by 18%.
- Deployed autoencoders for dimensionality reduction, reducing feature complexity by 90% and improving recommendation engine processing speed.

🧠 SKILLS

Python | C++ | Java | React | Power BI | SQL | REST API | JIRA | NodeJs | SpringBoot |
Git & Github | MongoDB | Business Analytics | AWS S3 | Glue | AWS Quicksight | AWS Athena

🎓 EDUCATION

MsC Data Science and Analytics

09/2023 – 11/2024 | London, UK

University Of Westminster