

AJAY KUMAR RATH
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EDUCATION

2021 - 2023	CALIFORNIA STATE UNIVERSITY EASTBAY MS, Business Analytics, Expected January 2023 Relevant Courses: Statistics, Database Management, Data Warehousing, Data Mining, Big Data Analytics, Machine Learning, Deep Learning, IT Project Management.	Hayward, CA
2012 - 2016	PUNE UNIVERSITY B.E. in Computer Engineering Relevant Courses: Data Structures, Database, Operating System, Microprocessors	Pune, India

GRADUATE COURSE PROJECT

01/2022 - 03/2022	Data Analysis on Real Estate Data <ul style="list-style-type: none">Performed data extraction of 1105 rows with 36 features from a real estate website using BeautifulSoup.Using Seaborn heatmap to identify & drop features with more than 90% of null values and features explaining 0 varianceImplemented Principal Component Analysis (PCA) on the above dataset to reduce from 36 features to 5 features retrieving 87% of original informationLinear regression on the above reduced data set to obtain a model with 0.92 adjusted R- Square
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EXPERIENCE

08/2018 - 01/2021	Infosys Data Analyst <ul style="list-style-type: none">Performed statistical analysis for early detection and prevention of monetary losses by reviewing POS sales transactions & inventory data. Analyzed and reconciled inventory discrepancies by researching the root cause to prevent recurrences.Aggregated data from different sources using SQL stored procedures, triggers, views and completed deep dive analysis of KPIs using data analytics tools and created weekly dashboards using Tableau and saving 10 hours of manual work weekly. A total of \$156000 potential fraud value was saved in FY-2019-20 from fraudulent activities and malpractices through reports and business models.Developed a fraud prediction model using scikit learn libraries (Logistic regression, SVM, Decision tree, random forest) with high level of precision (90%), accuracy (90%). Time taken to analyze fraud was reduced from 5hrs to 2 hrs.Built and published 10+ Interactive Tableau dashboards and combined them to form a Tableau story along with data refresh which was reviewed on con-calls with various stakeholders.	Pune, India
09/2016 - 07/2018	WIPRO MIS Analyst <ul style="list-style-type: none">Developed and owned reporting for the entire project, tasked to get data from 12 disparate sources and create an automated cumulative report covering all aspects of the project. Saving 15 hours of manual work weekly.Worked directly with the client to understand business needs and KPI's and translate those needs into actionable reports in Tableau and Excel.Created 50+ interactive filters, parameters & calculations for operational, resource utilization dashboard using TableauContinuously monitored and evaluated processes of find areas of improvement, significantly improving the client experience by 20% by advising resource allocation for different IT support groups.Collaborating with various cross functional teams to discuss insights, suggest recommendations, and influence the direction of the business by communicating results.	Pune, India

CERTIFICATIONS

- AWS Certified Cloud Practitioner-Feb'2022
- PGP in Data Analytics-October'2017
- Core Java Programming – June'2016

SKILLS

- Data Analytics Tools & Techniques:** Data Mining, Cleansing, Validating & Modeling, Machine Learning, A/B testing, scikit-learn, seaborn, Pandas, NumPy, Matplotlib
- Database:** Relational Database (SQL), Big Data (Hadoop)
- Visualization:** Tableau, Power BI
- Cloud Platform/ Services:** AWS-EC2, EMR, EBS, S3, Athena.
- Programming Languages:** Python, Java, R
- Tools:** Proficient in MS Word, PowerPoint, Excel Pivot Table/Lookups/What-if analysis.