

ADITYA DESHMUKH

Seattle, WA | adideshmukh17@gmail.com | +1-480 791 7667 | +91-9176033767 | www.linkedin.com/in/deshmukh-aditya

EDUCATION

Arizona State University
M.S./Computer Science

Tempe, AZ
May 2023

SRM Institute of Science and Technology
B.Tech./Computer Science and Engineering

Chennai, India
May 2018

WORK EXPERIENCE

XSM BASEBALL

Senior Data Scientist

Seattle, US

June 2023– Present

- Led predictive modeling initiatives, identifying top athletic prospects, resulting in key acquisitions and a 20% revenue increase. Instrumental in over 80% of programming deliverables using SAS, SQL, R, and Python.
- Orchestrated the deployment of models in production, enhancing business alignment and efficiency. Applied Scikit-learn, NumPy, and SciPy for models such as logistic regression and SVM, focusing on precision tuning.
- Implemented rigorous evaluation methods for model performance, ensuring accuracy with precision, recall, and F1-score metrics. Achieved an 80% success rate in predicting Major League Baseball draft picks.
- Managed a team of 3 data scientists to innovate and apply data-driven strategies, significantly improving athlete performance and market value through analytical integration into training programs.
- Partnered with marketing to analyze trends and athlete branding, increasing player visibility and sponsorship deals, thereby amplifying agency's market presence.

ARIZONA STATE UNIVERSITY

Data Analyst

Tempe, US

April 2022– May 2023

- Led data collection and cleaning efforts, improving data quality by 20% for enhanced reporting and analysis. Focused on efficient data structuring and integrity to support accurate and insightful statistical analyses.
- Produced impactful data visualizations using Matplotlib, delivering actionable insights to stakeholders. Utilized Pandas extensively for data preprocessing and manipulation, enabling clearer data interpretations and decision-making support.
- Coordinated with cross-functional teams to identify key performance indicators (KPIs), ensuring relevant data metrics were accurately captured for ongoing and ad-hoc reports. Enhanced reporting processes through the development of automated dashboards and reports, leading to a more dynamic data-driven decision-making culture.
- Performed detailed data analysis and provided recommendations based on trends and patterns identified through exploratory data analysis (EDA). Employed statistical techniques to analyze data, utilizing tools like Excel and SQL for data querying, which led to the identification of improvement opportunities and actionable business insights.
- Monitored and evaluated business process data to ensure operational efficiency. Utilized basic statistical methods to track performance against benchmarks, providing regular updates to management through intuitive reports and dashboards.

ERNST & YOUNG (EY)

Technical Team Lead / Software Engineer

Chennai, India

October 2018 – June 2021

- Spearheaded the development of end-to-end software solutions with a primary focus on the Duck Creek Platform, a Software-as-a-Service (SaaS) solution, ensuring scalability and high quality for a \$1B client in the P&C Insurance sector.
- Contributed actively to front-end and back-end development, utilizing JavaScript and AJAX for enhanced interactivity. Employed XML for structured data exchange.
- Managed the migration of the client's legacy system to cloud-based software, implemented 100+ enhancements across 5 different products, while resolving nearly 500 bugs to enhance system performance and maintained over 30 products.
- Supported the establishment of CI/CD pipelines, automating testing and deployment processes to streamline development workflows and deployment speed.
- Expertly used TFS, Azure DevOps, Git and GitHub for version control and collaborated seamlessly with team members to ensure integrated and organized code management.
- Demonstrated expertise in the Agile Project Management by leading a team of 10+ junior developers, encompassing project planning, requirement analysis, design, and strategy. Achieved a consistent >90% deliverable completion rate in all sprints.
- Developed strategic plans for short and long-term projects, skillfully prioritized tasks, and tracked progress using project metrics and sprint planning documents to effectively achieve project goals.
- Leveraged Tableau, MS Excel and SQL for data visualization and reporting, providing insights and actionable information to stakeholders.

SKILLS

Programming Languages: Python, SQL, R, C++, C, Java, XML, JavaScript, Scala, MATLAB

Machine Learning: PyTorch, TensorFlow, Scikit-Learn, NumPy, SciPy, Keras, XGBoost, LightGBM, Plotly, D3.js

Databases: MySQL, PostgreSQL, MongoDB

Big Data: Spark, Hadoop, Apache Kafka, Apache Flink

Data Analytics and Visualization: Tableau, PowerBI, ggplot2, Seaborn, Matplotlib, MS Excel, SAS

Technical Skills and Platforms: Duck Creek, .NET, AJAX, REST, SOAP, Scrum, Kanban, Waterfall, Azure DevOps, Jira, TFS, Git, GitHub

CERTIFICATIONS

Data Visualization with Tableau Specialization, *UC Davis*
EY Innovation: Agile, *EY*

Google Data Analytics: Specialization, *Google*
Google Project Management: Specialization, *Google*