Pritish Kamble

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EDUCATION

MS in Data Science, University at Buffalo, New York, USA   Aug 2022 - Jan 2024
Coursework**:** Machine Learning, Statistical Data Mining, Databases, Python, Stats and Probability.

ME in Electronics and Telecom. Engineering, Mumbai University, India

TECHNICAL SKILLS

- **Programming Languages:** Python, R, MATLAB, SAS.
- **Data Science Libraries:** Numpy, Pandas, Matplotlib, Scikit-learn, NLTK, TensorFlow, Pytorch, Keras.
- **Databases & Tools:** CassandraDB, PostgreSQL, MySQL, AWS, Azure ML, Hadoop, HDFS, PySpark, Power BI, Tableau, Looker, Salesforce, Salesforce Marketing, CRM, Minitab, AppSheet, Figma, UI bakery.
- **Project Management:** Agile, JIRA, Confluence, Scrum, Slack, Git, MS office.

WORK EXPERIENCE

Data Scientist, JerseySTEM | New Jersey   Feb 2024 - Present
Dashboard Development for Market Research

- **Led a team of developers** in designing and implementing a dashboard utilizing **MySQL**, **Salesforce**, and **Looker Studio**, providing tracking of $100**,**000 in funding utilization, enhancing financial transparency and decision-making efficiency.
- Gathered requirements from stakeholders and **cross-functional** teams to ensure alignment with objectives.
- Developed and optimized complex **SQL** queries utilizing CTEs, views, and stored procedures to deliver real-time insights from daily data updates.
- Automated reporting and streamlined visualization in **Looker** Studio, enabling data-driven decisions.
- Collaborated with team leads and cross-functional teams, fostering effective communication and coordination.

HR Analytics

- Conducted EDA using Python and SQL, visualizing trends with **Matplotlib** and **Looker**, reducing inefficiencies by 11%.
- Built predictive models using Logistic Regression, Random Forest, and **XGBoost**, improving retention strategies.
- Deployed a data management app with AppSheet, enhancing data efficiency by 30% and reducing errors by 20% with a Figma-designed UI/UX.
- Collaborated with HR stakeholders to deliver actionable, data-driven solutions.

Prompt Engineer, **Outlier.ai | Remote**   Oct 2024 - Present

- Enhanced model accuracy in over 100 mathematical, Python, and SQL responses by identifying and correcting errors.
- Used prompt engineering to detect and resolve model weaknesses, improving response quality and reliability.
- Evaluated **LLM** outputs for instruction comprehension, accuracy, and efficiency, ensuring quality adherence.

Developer and Data Analyst, Freelancer | India   Jul 2021 - May 2022

- Built a real-time dashboard integrating **Salesforce** and campaign data using Looker Studio and **Power BI**.
- Developed an AppSheet-based delivery tracking app, boosting efficiency by 30% with real-time updates.

Data Analyst, Codewrap Software Solutions | India   Oct 2017 - Dec 2019

- Designed and implemented **predictive models** to identify credit card account defaults, achieving a validation ROC **AUC** of 0.779 with **XGBoost**, and improving risk assessment processes for a dataset of 30,000 accounts.
- Conducted data preprocessing and cleaning, resolving inconsistencies and missing values, which enhanced model accuracy and streamlined **data pipelines** for analytics.
- Optimized machine learning models, including Random Forest (ROC AUC: 0.776), by fine-tuning hyperparameters and leveraging advanced **statistical techniques** to improve predictive outcomes.
- Developed actionable insights and dashboards using SHAP values and ROC curves, enabling stakeholders to make informed decisions and reduce credit default risks.

PROJECTS

Price Prediction Portal: Navigating Bangalore's Real Estate Market

- Deployed a real estate price prediction platform on **AWS EC2**, achieving 83% accuracy with models like Linear Regression, Lasso, and Decision Trees, optimized through cross-validation and **GridSearchCV**.
- Developed a secure, interactive web interface using HTML, CSS, and JavaScript for real-time predictions, enhancing user engagement and investment decision-making.

CO-CURRICULAR & ACHIEVEMENTS

- **Published research paper** in IJMOT journal on Multi-Resonant Stack Antenna - July 2020. **Published 10+ research papers** in IEEE, Springer, ScienceDirect.
- Captain of the University Cricket Team. Led the team to the semi-finals of the inter-university tournament.