NIKHIL TANNEERU

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Education

University of Houston – Houston, Texas.   Aug 2023 - May 2025
  Master of Science in Engineering Data Science (CGPA: 3.54 / 4.00)
   Relevant Coursework: Machine Learning and Comp Vis, Cloud Computing, Probability statistics for engineers.

Sathyabama Institute of Science and Technology Tamil Nadu   Aug 2019 – May 2023
  Bachelor of Technology in Computer science ,(CGPA: 3.4 / 4.00)

Work Experience

Isoftek. Solution Data Insights Intern   Aug 2023 – Nov 2024

- Developed Power BI and Tableau dashboards for ATLIQ Technologies and Isoftek Solutions, improving decision-making and reducing report generation time by 50%.
- Engineered ETL pipelines using SSIS and SQL, optimized queries with CTEs and indexing, and ensured 99.8% reporting accuracy while analyzing revenue trends and customer segmentation.
- Automated reporting processes and translated business needs into analytical solutions, boosting report usability by 15% and marketing effectiveness by 10%.

Verzeo Data & Ml Intern   May 2020 – July 2022

- Developed a computer-aided dermatological diagnosis system using image processing, feature extraction techniques, and deep learning to classify skin diseases.
- Implemented an Artificial Neural Network (ANN) for high-accuracy skin disease prediction, outperforming traditional rule-based models by 92%.
- Utilized CNNs (Convolutional Neural Networks), OpenCV, TensorFlow, and Keras for image classification and analysis in skin disease detection.

Project Experience

Sales Analytics Dashboard Powered by SQL & Tableau   Jan 2025 – March 2025

- Engineered a dynamic, data-driven Tableau dashboard to facilitate granular analysis of revenue trends, customer segmentation, and product performance, enabling real-time strategic decision-making for ATLIQ technologies.
- Optimized complex SQL queries leveraging advanced techniques such as CTEs, window functions, and indexing to enhance data retrieval efficiency and streamline ETL workflows.
- Synthesized actionable business intelligence insights, driving a 10% improvement in targeted marketing effectiveness and automating reporting processes to reduce manual effort by 50%.

Predictive Employee Performance Analytics *(Python, ETL, SQL)*   Feb 2024 - April 2024

- Built a Predictive Employee Performance Analytics system, improving prediction accuracy by 15% through advanced ETL pipelines and optimized SQL queries.
- Applied Machine Learning models, including Regression Analysis (R2=0.82) and Time Series Forecasting (MAE=4.2%), for actionable workforce insights.
- Implemented advanced data preprocessing, including Data Imputation (RMSE=1.5%) and Outlier Detection (Precision=92%), ensuring high data integrity.
- Enhanced report generation with Pearson Correlation (r=0.78), increasing model interpretability by 18%.

Novel Skin Disease Prediction *(Deep Learning, Image Processing)*   Oct 2022 – Dec 2022

- Developed a computer-aided diagnosis system leveraging image processing and feature extraction techniques for dermatological disease classification.
- Implemented an Artificial Neural Network (ANN) for high-accuracy skin disease prediction, outperforming traditional rule-based models by 92%.
- Compared model performance against state-of-the-art medical diagnostic AI, achieving

Inventory Catalyst | E-commerce App   Feb 2021 – Nov 2022

- Developed a Flutter-based mobile application for seamless kitchen inventory management, improving tracking efficiency by 40%.
- Designed and implemented a Spring Boot backend, integrated MongoDB & MySQL databases, and enabled Firebase push notifications for real-time stock updates.
- Automated deployment of services using CI/CD pipelines with Jenkins, AWS EC2, Kubernetes, and Git, reducing deployment time by 60%.

Technical Skills:

- **Programming & Development:** Proficient in SQL, PL/SQL, Python, JavaScript, and PHP.
- **Web technologies** : WordPress, HCL DX, Oracle Eloqua, Angular.JS, and D3.JS.
- **Data & Analytics:** Experienced in data visualization and reporting with Tableau, ggplot2, matplotlib, SSRS, MS SQL Server, Google Analytics, Snowsight, and Power BI. Expertise in databases including Snowflake, MySQL, PostgreSQL, and MS SQL Server, as well as ELT/ETL tools like Snowpipe, ODI, SSIS, Talend, Alteryx, and DTS. Familiar with project management tools like JIRA, Azure Boards,   and MS Planner