DILSHATH M

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Profiles

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Professional Summary

Curious and adaptable MCA student seeking an entry-level opportunity in the IT industry, with a foundational understanding of Python, SQL, PySpark, Apache Spark, Databricks, QA methodologies, software testing, and machine learning, along with knowledge of business analytics. I enjoy learning new technologies, solving problems, and turning what I learn into practical solutions. Looking forward to gaining hands-on experience, building my technical skills, and contributing to a team while growing professionally.

Skills

Technical Skills

- Programming Languages: Python, SQL
- Data Engineering: ETL Pipelines, Databricks
- Data Analysis: Microsoft Excel
- Software Testing: Manual Testing, QA Methodologies, Test Case Design, Bug Reporting
- Big Data Technologies: PySpark, Apache Spark
- Data Visualization: Power BI
- Design Tools: Figma
- Mobile Development: Kotlin, Android Studio
- IT & Networking: Network Fundamentals, Technical Troubleshooting

Soft Skills

- Communication Skills, Problem-Solving, Adaptability, Time Management, Quick Learning

Internship Experience

Intern - Food Demand Forecasting Project 05/01/2026 - 08/02/2026
Global Techno Solutions, Ashok Nagar | *Technologies: Python, Machine Learning*

- Built and compared seven regression models (Random Forest, Gradient Boosting, LightGBM, XGBoost, CatBoost, LSTM, and BiLSTM) to forecast the number of food orders using the Genpact Food Demand Forecasting dataset.
- Analyzed the effect of various factors on demand and extracted characteristic features with possible influence on orders.
- Results highlighted the superiority of LSTM over the other algorithms, reaching RMSLE 0.28, RMSE 18.83, MAPE 6.56%, and MAE 14.18.

Education

Master of Computer Applications [MCA] 2027
Meenakshi College of Engineering - Chennai

Bachelor of Science: Computer Science 2025
Justice Basheer Ahmed Sayeed College For Women - Chennai

PROJECTS & EXPERIENCE

ExpiryGuard – Smart Expiry & Waste Tracker | *Python, Flask, PostgreSQL* | Get Link

- Developed and deployed a full-stack web application using Python, Flask, HTML, CSS, Bootstrap 5, and PostgreSQL to manage product expiry dates and reduce inventory waste.
- Implemented secure user authentication and authorization with Flask-Login, password hashing, and CSRF protection.
- Built CRUD operations (Create, Read, Update, Delete) for product management with user-specific data isolation.
- Integrated automated expiry tracking, real-time status classification, dashboard analytics, search, and filtering to monitor expired and soon-to-expire products.
- Deployed the application on Render with PostgreSQL database integration and managed source code using Git and GitHub.

FashionFix – Fashion Accessories Shopping Application | *Kotlin, XML, Android Studio*

- Developed an E-commerce mobile application using Kotlin and XML as part of Android Application Development.
- Designed user-friendly UI/UX screens in Android Studio for browsing and purchasing fashion accessories.
- Implemented User Authentication, product categories, product details, and Shopping Cart functionality for efficient Product Management.
- Developed checkout and payment-related screens to support the purchasing process, focusing on Payment Integration.
- Applied Mobile Application Development concepts to build an organized and user-friendly shopping experience.

EXTRA-CURRICULAR ACTIVITIES

- Member at YEDC Young Entrepreneurship Development Council at Student Bazaar
- Member at CRA Consumer Rights Association
- Member at CWS Centre for Women Studies

Certifications

- Full Stack Development - NoviTech
- UI/UX - NoviTech
- NPTEL - Data Analytics with Python