Mohammed Talib Chand

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Education

Indian Institute of Technology Madras - Chennai, Tamil Nadu   *2023 - Present*
Bachelor's of Science (*BS*) - *Programming and Data Science*
> The **IIT Madras** BS Degree in Data Science and Programming provides students with in-depth knowledge in Data Science, Data Analytics and Programming.

Experience

Data Analyst Intern   *April 2025 - Present*
The Next Design
- Developed and launched a **Power BI dashboard** for email marketing campaigns, enabling the team to track open and click-through rates and identify trends, resulting in a **25%** improvement in campaign performance.
- Analyzed digital engagement and customer behavior using **Google Analytics**, generating insights that contributed to a **15%** increase in website conversion rates.
- Managed **Zoho Campaigns** end-to-end, automating workflows and segmenting audiences, which increased campaign reach by **30%**.
- Delivered clear, data-driven reports to stakeholders, improving decision-making efficiency and reducing reporting time by **40%**.

Data Analyst Intern   *Nov 2024 - Feb 2025*
ADM Education & Welfare Society
- Collaborated with team members to collect, clean and validate datasets, enhancing data accuracy by **25%** which informed strategic planning.
- Prepared **detailed reports** on program effectiveness and resource utilization, leading to a **15%** improvement in operational efficiency.
- Analyze and interpret complex dataset to identify trends, providing **actionable insights** that increased project success rate by **30%**.
- Participate in **team discussion** and contribute to ongoing data analytics projects, refining skills in data analysis tools and techniques.
- Assisted in designing and implementing **data models** to predict success of training programs and optimize resource allocation

Projects

Web Browser Application   **view**
- Built a full featured, **Python** based web browser application using **PyQt5**, utilizing QWebEngineView for smooth in-app page rendering and a maximized user interface for enhanced visibility.
- Designed an intuitive navigation toolbar with essential controls (back, forward,reload, and home), incorporating custom icons for enhancing user experience and increasing usability by **40%.**
- Developed a **responsive URL bar** that supports direct URL entry and seamlessly redirects non-URL text to google search, enabling both targeted navigation and quick search functionality.
- Customized the application's branding by setting a unique title, icons, and visual elements, creating a cohesive, **professional user experience** tailored for ease of use.

Car Sales Analysis Dashboard (Power bi)   [view](#)

- Developed an interactive Car Sales Analysis Dashboard in Power BI, analyzing **1.35M+ unit sales** and generating insights across **1.2B revenue, 146 product variants,** and **10+ car models**.
- Visualized key sales drivers, including top-performing models and fuel type distribution, helping **increase sales** of priority models by **18%** and optimizing fuel mix allocation by **25%**.
- Presented monthly **market trends** and brand-wise revenue comparisons, supporting a **22%** improvement in revenue forecasting accuracy and a **35%** faster identification of high-growth segments.
- Delivered actionable insights by automating performance summaries and **trend analysis**, driving data-driven decisions for inventory and marketing.

Vehicle Parking Management System   [view](#)

- Developed a vehicle parking management system using Python featuring **role-based authentication** for Admin and User dashboards.
- **Admin Dashboard enables:**
  - Viewing and managing registered users, including their addresses, email IDs, and pincodes.
  - Creating, editing, and deleting parking lots with ease.
  - Monitoring parking summary reports with graphical representations of total revenue, revenue per lot, and occupancy statistics.
- **User Dashboard allows:**
  - Booking parking lots for vehicles with automated cost calculation.
  - Tracking booking history and viewing a summary of total expenditure.
- Technologies used: **Python, Flask, SQLite, HTML, CSS, Bootstrap, Pandas, Matplotlib**, OOP concepts.
- **Key Features**: Secure login, CRUD operations, interactive graphical summaries, real-time revenue tracking, and user-friendly interface.

Skills

Python || SQL || Power BI || Tableau || Google Analytics || Pandas || NumPy || Matplotlib || Seaborn || HTML || CSS || Flask || Javascript || PyQt5 || Bootstrap || MS Excel || Zoho Campaign

Concepts: Data Cleaning, Data Visualization, Exploratory Data Analysis, Programming, DBMS (Database Management System), RDBMS, ETL (Extract, Transform, Load), SQL Queries, Email Marketing, Time Management, Team Work, OOPS (Object Oriented Programming), DSA, Data Mining, Predictive Analytics, Business Analytics, Web development, Statistical Analysis, Descriptive Statistics, Dashboard Development.