Prashant

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EDUCATION

AKTU - Ajay Kumar Garg Engineering College   Ghaziabad, IN
Bachelor of Technology – Electronics and Communication Engineering, **CGPA – 7. 0**   Nov 2020 – Jul 2024

PROFESSIONAL EXPERIENCE

Virtual Internship: Data Analytics & Visualization | Tata & Accenture – Forage Drive   Remote

- Completed a **business analysis** simulation utilizing Power BI to design **5+ interactive dashboards** and data visualizations, **improving KPI tracking** and stakeholder **insights by 40%**, and demonstrating proficiency in data-driven decision-making.
- Integrated advanced **data cleansing** methodologies across disparate datasets, boosting the precision of critical **business metrics by 15%** and **minimizing reporting errors by 22%**.
- Examined project requirements and adapted analytical methods, visualizing datasets with **interactive charts**, leading to **strategy optimization** and a **15% enhancement in report accuracy** for the simulation project to be concluded.

Advanced Level Telecom Training Center (ALTTC), BSNL Drive   Ghaziabad, IN
Trainee in Telecom Technologies   July 2023 – Aug 2023

- Achieved a **30%** improvement in **network performance** by implementing advanced **DSL** and **SDH** technologies, leading to increased service reliability and elevated data transmission speeds.
- Boosted mobile network **data throughput** by **25%** by **optimizing 3G**, **4G**, and **5G** infrastructures, improving coverage and overall user experience for more than **500,000 subscribers**.
- Increased **network efficiency** by **40%** by **optimizing LAN architecture** and implementing advanced router configurations based on the **OSI model**, which **reduced latency** and scaled to meet a **20% increase in user demand**.

CodSoft Drive   Remote
Web Development Intern   June 2023 – July 2023

- Structured professional **portfolios** and drafted two engaging **landing pages**, alongside a functional **temperature converter** using **HTML**, **CSS**, and **JavaScript**.
- Built **4+ interactive web applications** using HTML, CSS, and JavaScript, strengthening hands-on skills and creating a portfolio of **responsive**, user-friendly designs that **enhanced engagement** and **usability by 35%**.
- Improved **user interaction** by **30%** by assisting in the development of websites, **optimizing front-end design** with HTML, CSS, and JavaScript, which led to a **95% user satisfaction** rating.

PROJECTS

MediTrack – Hospital Management System | Java, SQL, JDBC, MySQL, MySQL Workbench GitHub

- Constructed a console-based hospital management system using **Java** and **MySQL**, automating patient registration and appointment scheduling, decreasing average patient wait times by 15 minutes and **boosting daily patient capacity by 20%.**
- Developed modular Java classes (Patient, Doctor, Appointment) with **100% input validation** and **exception handling**, enabling seamless **CRUD operations** with a **MySQL database via JDBC**, reducing data entry errors by **40%** and refining system reliability by **30%**.
- Implemented **SQL database** infrastructure **with MySQL Workbench**, encompassing structured tables for patients, doctors, and appointments optimizing appointment booking efficiency, resulting in a 10% increase in appointment capacity**,** and also leveraged PreparedStatement to enhance security and **prevent SQL injection**.

Retail Insights Dashboard – Power BI | Power BI, DAX, Power Query Editor, Excel Blinkit **|** Mobile

- Designed interactive dashboards for Mobile and Blinkit datasets, visualizing key KPIs such as **Total Sales (₹769M)**, **Total Orders (6K+)**, **Units Sold (19K+)**, **Transactions (4K)**, and **Average Price (₹40.11K)**.
- Implemented **filterable slicers** for Brand, Product, Category, City, Payment Method, and Time (Year/Quarter/Month/Day) to drill-down capabilities, and **identifying top products**, **growing sales $300K**.
- Integrated **12+ visuals** (bar, line, pie charts, maps) using **DAX measures** and **Power Query**, analyzing trends in monthly sales, customer ratings, payment preferences, and **YoY/QoQ growth**, delivering insights on **top-performing brands and products** (e.g., Apple, OnePlus, Galaxy, daily essentials), and identified **peak sales days/hours**.

TECHNICAL SKILLS

Programming: Python, Java, SQL, Machine Learning, SDLC, OPPS, JDBC, HTML, CSS
Databases: My SQL, MongoDB
Data Visualization: MS Excel, Power BI, Power Query Editor, DAX, KPI, Tableau
Tools: VS Code, Git / GitHub, MySQL Workbench

CERTIFICATES

Cognizant- Artificial Intelligence Virtual Experience Program   Data Analysis | Data Modelling | Machine Learning
Accenture- Data Analytics and Visualization Job Simulation   Data Cleaning and Modelling | Data Visualization
CISCO – Data Analytics Essentials   Relational Databases and SQL | Structured Queries | Tableau