Vedant Mahangade

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EDUCATION

M.S. in Computer Science, *The George Washington University, Washington D.C.*   Expected: **May 2025**
Relevant Courses: Design and Analysis of Algorithm, Machine Learning, Computer Architecture   GPA: 3.67

B.E. in Information Technology, *Sinhgad College of Engineering, India*   **April 2021**
Relevant Courses: Big Data Analytics, Data Warehousing, DBMS, Software Engineering   GPA: 3.38

WORK EXPERIENCE

TATA CONSULTANCY SERVICES
Power BI and SQL Developer (Assistant Systems Engineer)   **August 2021 - August 2023**
- Built compelling **Power BI and SSRS reports / dashboards** in an Analytics and Data Warehousing Project.
- Undertook comprehensive requirements gathering and **solution design initiatives for large scale remediation project** in close collaboration with business stakeholders, solution architects and 5+ cross-functional teams.
- Conducted T-SQL tuning and **optimization of SQL queries and procedures** for reports and ETL process.
- Designed and **implemented new KPIs, metrics and performed analysis on CRM data** to provide business with valuable insights.
- **Created SSAS tabular model** for development of analytical reporting solution for critical banking data to **reduce manual reporting effort from 135 hours to 7.5 hours quarterly**.
- Executed bug fixes and **data validation** to ensure availability and speed of reporting services for 10+ banking departments.
- **Developed, optimized, and maintained automated ETL dataflow** for two data-warehouse migration and one large scale one remediation requirements.

INNVOCEPT GLOBAL SOLUTIONS
IT and Admin Executive Intern   **May 2020 - May 2021**
- **Developed backend connectivity modules** using Java, JDBC and SQL for a **Request for Proposal** (RFP) tool.
- Performed **User Acceptance Testing (UAT) and Manual Testing** on UI elements of a web based Clinical Trial management System (CTMS) called vClin-CTMS and **Electronic Data Capture System** called vData-EDC.
- Assisted with the **documentation of standardized operational procedure** (SOP) documents, policies and reconciled the setup of a timesheet framework for employees.
- Managed access requirements conducted system compliance and security checks of organization's IT devices.
- **Designed and created study-specific Case Report Forms** (CRFs) for 6 different clinical trials using **CTMS**, resulting in a streamlined clinical trial data collection process.
- Supported **biostatistics and informatics operations**, performed data cleaning, data validation and data exploration for the data collected from Phase II-IV and RWE Studies Clinical Trials.

PROJECTS AND PUBLICATIONS

- *Research Paper Publication:* 'Image Classification for Traffic Sign Recognition'. IJISRT, 9(7).
- *Traffic Sign Classifier,* BE Final Year Project: Python, Convolutional Neural Networks, ML.
- *Power BI Reports:* Covid-19 Analysis and Forecast, Sales Analytics
- *Movie App:* Android Application developed using Kotlin as part of course curriculum.
- *Other***:** Payroll Management System, DNA Toolkit using Python

SKILLS

- *Tools and Methodologies***:** Power BI, SSAS, SSRS, SSIS, SQL Server, Oracle APEX, Data Visualization, Analytics, Warehousing, and Interpretation, ETL and Database Development, MS Excel, Labeling, Tensorflow, Predictive Modeling, Algorithm Design, AI, Git, Bash, OOP, Software Development, Agile, Clinical Trial Data Management
- *Languages:* Python, SQL, R, Java, JDBC, DAX, Kotlin, C++, HTML, XML, UML
- *Soft skills:* Articulation, Problem Solving, Analysis, Leadership, Collaboration, Decision Making, Accountability.
- *Volunteering:* Member of a Rotaract Club, engaged in a variety of community and social development initiatives.

CERTIFICATIONS

Microsoft Certified: Power BI Data Analyst Associate (January, 2023).
RBCDSAI's International Summit on Data Science and AI, RBCDSAI, IIT Madras (June, 2020).