Sukhada Chiplunkar

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SUMMARY

- 6+ years of experience with strong expertise in SQL, Python, Data analysis and visualization
- Hands on experience in SQL, Python, Tableau, Git with good understanding of Agile methodology
- Data Analytics certification from University of Cincinnati (onsite) and a Master's in Information Systems
- CSM certification from Scrum Alliance
- Former Software Engineer transitioning into Data Analytics offering excellent problem-solving skills, a solid academic foundation, and a passion for data-driven decision-making
- Currently returning to work after a maternity break with refreshed, job-ready DA skills. Eager to leverage analytical thinking, coding skills and ability to drive insights

EDUCATION

Master of Science in Management Information Systems (GPA: 3.88/4.00) **December 2020**
University of Cincinnati, Carl H. Lindner College of Business
Coursework: Data Modelling, Database Design, Python, Data Visualization, Data warehousing and BI, Data Analysis Methods, Project management

Bachelor of Engineering in Electronics and Telecommunication (GPA: 3.90/4.00) **May 2017**
University of Pune
Coursework: Data Structures and Algorithms, Object Oriented Programming, Computer Networks, Electronics

SKILLS

- **Data Analysis**: SQL, MS Excel, A/B Testing, Exploratory Data Analysis, Web scraping (Beautiful Soup, Selenium)
- **Programming**: Python (pandas, numpy, matplotlib, seaborn), SQL, C#
- **Visualization**: Tableau, Power BI, matplotlib
- **Databases**: MS SQL Server, MySQL, PostgreSQL, SQLite
- **Other Tools**: Git, VS Code, Visual Studio, MS Visio, Jupyter notebook, Google Sheets, MS Office

EXPERIENCE

United Healthcare Los Angeles, CA, US
Software Engineer January 2022 – March 2024

- **Led a team of junior SWEs** through key projects, including **code migration to React**, **CI/CD migration from Azure DevOps to Git**, **MFA implementation** for user-facing portals, and **development of insurance claims/payment solutions** (*CuresAct & Encounter*)
- Moved multiple projects and individual tickets through **CAB** cycles as a part of CICD deployments through **QA, UAT, Stage and production** environments ensuring smooth post production support
- **Designed and developed** multiple dashboards, web forms, APIs, and web services using .NET and React, **streamlining internal business processes and improving data accessibility**
- **Created data processing engines** with the .NET framework to convert **large JSON data files into structured and cleaned raw data**, enabling the **analytics team to efficiently process and analyze information**
- **Optimized SQL queries and wrote stored procedures**, **reducing report generation time by 30%**, significantly **improving efficiency** for the analytics team
- **Performed code reviews; Led presentations and meetings** with **business stakeholders, clients, and senior management**, providing strategic insights, project updates, and actionable recommendations

Cognizant **Los Angeles, CA, US**
Product Specialist March 2021 – January 2022
Client – Centene, Geisinger Healthcare

- **Developed multiple Tableau dashboards** to visualize key insurance claim metrics, including claims filed, paid claims, rejection reasons, and demographic data, **enabling clients to gain actionable insights** and improve decision-making
- **Designed and implemented stored procedures** for claim cleaning, scrubbing, and receipt processes, streamlining data preparation and improving data quality
- **Created Encounter Data Dashboard reports using Python**, and built an ASP.NET MVC application to display the reports, enhancing data accessibility for internal teams
- **Analyzed EDI 837 files** and collaborated with stakeholders to **gather requirements**, contributing to successful Medicare and Medicaid submissions
- **Performed root cause analysis** on scrubbed and rejected claims, resulting in a measurable increase in **data submission accuracy** to **DHS/CMS**

Analysis Express **Cincinnati, Ohio, US**
Product Intern May 2020 – September 2020

- **Developed a Data Analysis Application (Desktop software)** which used MS Excel underneath using COM add-in in .NET framework, C#, SQL Server
- Designed various Windows forms for the application and developed its functionality, UI and backend logic
- **Delivered a custom reporting mechanism** with C# and SSMS, reducing client report generation time by 35%
- Applied the solution to support operations for Automobile and Mechanical startups, **improving data analysis efficiency and decision-making**

Accenture Private Limited **Pune, India**
Associate Software Engineer November 2017 - March 2019
Client - Cardinal Health

- **Developed and maintained** internal web portals for the client in MVC using ASP.NET, ADO.NET and SSMS
- **Developed Macros in VBA excel** for daily reporting of SLAs, increasing the efficiency by 40%
- **Maintained** version Control and code reviews on Azure DevOps; **Communicated** with Client on daily basis and delivered presentation during client visits
- **Received** Microsoft C# 70-483 Solutions Developer certification

PROJECTS

SF Marathon Analysis | Python, Tableau | Dashboard

- **Scraped** race results and runner demographics from the SF Marathon website using **Selenium**, automating data extraction at scale
- **Cleaned and processed raw data** using Python (Pandas, NumPy) to prepare for visualization and analysis
- **Built an interactive Tableau dashboard** providing both high-level demographic insights (boxplots and heatmaps for age, gender, completion time) and personalized runner metrics (pace, and rankings)
- Published a detailed Medium article to guide others through the scraping, cleaning, and dashboard-building process
- Showcased a full **end-to-end data pipeline**: data scraping → cleaning and transformation → visualization → storytelling

Crypto coins Analysis and Prediction | Python, Matplotlib | GitHub

- Utilized a **Kaggle cryptocurrency dataset** and performed comprehensive **data cleaning and preprocessing** using **Pandas, NumPy, Seaborn**, and **Matplotlib**
- Conducted exploratory data analysis (EDA) to compute key statistics (mean, median, volatility) and uncover patterns in price, volume, and market cap trends
- Calculated **Annual Percent Return (APR)** for multiple cryptocurrencies, ranked them over a 5-year period, and identified the **top 3 performers**
- Analyzed trading volume and market capitalization to determine the **top 3 most traded coins** and those with **dominant market share**
- Applied **Meta's Prophet** time series model to predict future price trends of leading cryptocurrencies
- Identified the **most volatile coin** based on historical price fluctuations and standard deviation metrics

CERTIFICATIONS

- Data Analytics certification from University of Cincinnati (onsite)
- CSM certification from Scrum Alliance