ADARSH GUPTA

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EDUCATION

Vellore Institute of Technology   **Vellore, India**
                                                                                                      2014 – 2018

- Bachelor of Technology in Information Technology. CGPA: **9.38/10**

TECHNICAL SKILLS

- **Programming languages**: C#, Python, C++, Java, SQL, HTML, CSS, JavaScript
- **Databases**: Amazon Redshift, Microsoft SQL Server, Oracle, MySQL, Postgres
- **Cloud platforms**: Amazon Web Services (AWS), Azure
- **Frameworks**: .NET Core/Standard/Framework, ReactJS, SCRUM
- **Tools and Technologies**: Microstrategy (Business Intelligence tool), Jenkins, Bamboo, Git, JIRA, Rally, GitHub, Bitbucket, SQL Server Integration Service (SSIS), Terraform

EMPLOYMENT

Software Engineer | OptumInsight India Pvt. Ltd.   **Chennai, India**
Promoted in 2020 to Software Engineer   **July 2018 – June 2022**

Crimson Medical Referral (Backend + Frontend development) – a medical referral management system to support better care coordination
- Moved Database Migration tool from RedGate SQL to DbUp, an open-source tool, to save license costs
- Reduced the front-end build artifact size from 67MB to 19MB (**71% reduction**)
- Reduced the overall front-end build and deployment time from 2 hours to 20-25 minutes (**79% reduction**)
- Leveraged Azure Blob Storage and Azure Content Delivery Network to serve front-end as a static website
- Migrated the application from .NET Framework to .NET Core 3.1 and redesigned it into microservices for the cloud (Azure)
- Introduced Jenkins pipeline to automate builds, tests, SONAR code quality and FORTIFY security scans

LifeScience Data warehouse (Backend) – provides analysts with insights into payers, providers and patient's data
- Improved data pipeline runtime from 67 hours in Oracle to 50 hours in Amazon Redshift (**25% reduction**)
- Completed a proof-of-concept on the migration of a complex data pipeline from Oracle to Amazon Redshift
- Migrated 400+ SQL stored procedures to Amazon Redshift, in 8 months, as a 4-member team

Optum Performance Analytics (Backend) – an integrated enterprise analytics platform for health plans
- Migrated a Microstrategy (Business Intelligence tool) project from Oracle to Amazon Redshift
- Established a generic approach to accommodate differences in numeric computations in Amazon Redshift, compared to Oracle (Side project - ***https://adarshgupta.github.io/Redshift-calc/***)
- Implemented delta Microstrategy package migration to reduce release deployment time significantly
- Coded multiple python scripts to automate client onboarding, which leveraged Microstrategy APIs

Intern (Software Engineering) | Bayer CropScience Ltd.   **Thane/Mumbai, India**
                                                                                                          Dec 2016

Product Reporting Tool
- Developed an ASP.NET web application that helps generate custom reports based on the manufacturing plant data (Bayer Vapi plant)
- Implemented LDAP authentication, ability to upload plant data using CSV files, and guide step-by-step report generation based on the plant data stored in the SQL server database