

Dhanasree Rajamani

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EDUCATION

San Jose State University

Master of Science in Software Engineering with Data science specialization

San Jose, CA

Aug 2022 - May 2024

PSG College of Technology

Master of Science (M.Sc.) in Software Engineering | GPA: 7.3/10

Coimbatore, India

2012 - 2017

SKILLS

- **Languages:** Python, Java, C++, C, C#, JavaScript, Shell Script, R, MATLAB, HTML, CSS, SQL
- **Frameworks and Tools:** Power BI, Azure Databricks, Azure Data Factory, MS Power Apps, SSIS, SSAS, SSRS, ASP.NET, QlikView, Tableau, Ansible, Spark, Pandas, Watson Knowledge Studio, Google Cloud Endpoints
- **Databases:** MS SQL Server, MySQL, MongoDB, Oracle
- **Mobile:** Android Studio

EXPERIENCE

Thorogood Associates

Business Intelligence and Analytics Engineer

Bangalore, India

July 2017 - October 2020

- **Tech lead** of a project that manages EPOS data, devises calculations, builds reports, and **generates actionable insights to improve the market share** of a leading European tobacco manufacturer. [SQL, SSIS, SSAS, SSRS, Tableau, ASP.NET]
- Designed a Pharma supply chain inventory management system that provides "**Data as a service**" on Azure platform by **processing 100GB+ unstructured** raw material data and enabling customers to build self-service dashboards easily, **reducing their operations cost by 70%**. [Python, SQL, Azure Databricks, Azure Data Factory, PowerBI, Power Apps]
- Built a **dashboard with intuitive charts** and enhanced security by providing **fine-grained authorization controls** to individuals for a Forecast Reliability project. [QlikView]
- Developed an **ML/NLP solution** that automates data attribution of new product information from raw sales data to a structured DB for analytics. This replaced the traditional manual work **saving 6 hours of engineering time per week** [SQL, .NET].
- Actively worked with the client's marketing team in designing and developing a shareable **Power BI dashboard to increase E-commerce based market share**. Analyzed multiple parameters such as customer purchase trends, voucher codes, brand loyalty, etc to evaluate the **effectiveness of sales and marketing strategy**.
- Built a data maintenance tool to **automate data loads**, thereby **saving 2 human hours per day** [.NET].
- **Manager** for 2 new grads and **trained 20+ new hires** on Microsoft SQL Server Integration Services (SSIS).

IBM India System Development Labs

Software Engineer Intern

Bangalore, India

January 2017 - June 2017

- Developed a Cognitive tool that **analyzes the failure logs** produced on executing a test and provides the nearest possible solutions for known defects, and configuration issues. [Python, Shell Script]
- **Improved developer productivity** by suggesting potential solutions during troubleshooting.
- Tool is **widely used** across Linux Technology Center (LTC) business org (**200 engineers**).
- Leveraged **cutting-edge Cognitive technologies** like Watson Knowledge Studio, Watson Explorer Services, and AlchemyAPI.

Divum Corporate Services Pvt. Ltd

Software Engineer Intern

Bangalore, India

May 2015 - November 2015

- **Built 2 Android apps from scratch** to handle Logistics and Sales involved in **Terra**, a leading "Farm Fresh" produce delivery service in Bangalore. Delivered and managed apps from **requirements gathering to release**. [Java, Google Cloud Endpoints]

PROJECTS

- **Automated Bug Classifier [R]**: An application that gets the error reports filed for a given software and extracts keywords, non-keywords, and insignificant terms from it. It then classifies the errors as bugs, features, or test errors using Fuzzy logic.
- **Crime Management [HTML, PHP and MySQL]**: Developed a Full-stack app as an academic project that efficiently, and securely stores criminal records for the police department and can also be used by the public for lodging complaints.
- **Hex Editor [C]**: Designed and developed a text editor using Counted tree, a modified version of B+ trees, to efficiently store and retrieve text.
- **Word Play [C++]**: Game developed using the Trie data structure to check the correctness of the word selected by the user from the given letters against the dictionary.

ACHIEVEMENTS

- Received **Star Award** at Thorogood for improving the market share of a leading European tobacco manufacturer by building a system from ground-up.
- Won **Passion Award** at Thorogood for landing a Forecast Reliability project **50% before the expected time** for a leading UK-based pharmaceutical company.

RELEVANT COURSEWORK

Enterprise Software Platforms, Data Mining, and Advanced Data Mining