# SHREENIDHI SRIRAM

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## EDUCATION

The University of Texas at Dallas, TX, United States **Aug 2021 - May 2023 (Expected)**
**Master of Science in Information Technology and Management** **GPA: 3.82**
*Coursework: Data warehousing, Big data, Databases, Spreadsheet modeling analytics, Marketing web analytics, Project management.*

College of Engineering, Guindy, Anna University, Chennai, India **Aug 2017 - May 2021**
**Bachelor of Engineering in Computer Science and Engineering** **GPA: 3.6**
*Coursework: Probability and Statistics, Machine Learning, Software engineering, Data structures, Design and analysis of algorithms.*

## TECHNICAL SKILLS

**Languages and Technologies**: Python, Java, C, C++, Guice, REST, HTML5, CSS3, JavaScript, Linux (Shell), Swagger.
**Databases and DevOps Tools**: MySQL, Microsoft SQL Server, DynamoDB, Docker, Git, Github, Atlassian Jira, Scrum, Agile.
**Visualization Tools and AWS**: Tableau, Microsoft PowerBI, Microsoft Excel, AWS Lambda, ECS Fargate, EC2, CloudWatch, S3.
**Certifications:** Oracle Certified Associate Java SE 8 Programmer I, AWS Certified Cloud Practitioner.

## PROFESSIONAL EXPERIENCE

**Intel Corporation, Santa Clara, CA, United States** **Sep 2022 – Present**
*Graduate Technical Intern (Data Engineering & Analytics)*
- Created and managed data pipelines, databases, and dashboards to convey complex data insights to business stakeholders.
- Developed ETL processes to manipulate data, restructured Jira databases and used Microsoft SQL to store weekly snapshots.
- Employed JQL to extract data from Jira and Power query to transform and load data from multiple sources into Power BI.
- Deployed PowerBI dashboards for 6 customer projects using DAX functionalities to model data and track KPIs.
- Simplified the overall flow by 17% by automating file generation using Python. Integrated Power Automate with Paginated reports.
- Explored Microsoft Azure analytics, setting up an automated workflow for file deposit in a remote data lake storage.

**Microsoft Corporation, United States** **Jan 2023 – Present**
*Lead Student Ambassador*
- Orchestrated impactful sessions to disseminate my analysis of the cutting-edge technology behind the design of Microsoft products.

**Amazon, Seattle, WA, United States** **May 2022 - Aug 2022**
*Software Development Engineer Intern*
- Achieved 85% faster info-retrieval by optimizing complex metadata modeling processes. Streamlined the entire workflow into one, condensing the need for 4 supplementary systems. Eliminated overhead activities associated with the current workflow.
- Delivered a high-quality, scalable system using Java and AWS for the backend of amazon.com (Browse) for 350 million products.
- Built 3 RESTful APIs, deployed the applications in the AWS cloud infrastructure, and tested endpoints in Postman. Utilized AWS tools and services including Lambda, EC2, and S3, and orchestration technologies like Docker and ECS Fargate.
- Integrated API responses from catalog databases to help end-users validate queries for 1300+ product identifiers (indexed).

## ACADEMIC PROJECTS

**Analysis of Vaccination Impact on Public Health: Before and After COVID-19 - Technologies: Tableau, Excel**
- Used Excel and Tableau to manipulate and visualize COVID-19 vaccination data to identify insights and KPIs for decision-making.

**Data analysis of Streamlined student assistance and deadline management engine - Technologies: SQL, Data Modeling, ETL**
- Automated student task management and deadline tracking through ERD-defined business rules, structured data modeling, and database normalization in MySQL using ETL, reducing redundancy by 7%.

**Content Recommendation and Sentimental Analysis for Twitter users - Technologies: Python, Machine Learning**
- Performed sentiment analysis and topic modeling and built a recommendation system for Twitter users, classifying and visualizing 40,000 tweets as positive/negative into 140 interest categories using Word Cloud and hosted on Heroku.

**Real-time Cancer diagnostic engine using VGGNET Classifier - Technologies: Python, Neural Networks, Deep Learning**
- Implemented a 16-Layer deep VGGNET neural architecture as a hospital application that classifies 5 types of cancer, with an improved algorithm efficiency of 93% using SGD and ADAM optimizers. Integrated the model with a web app using Flask.

## AWARDS & ACHIEVEMENTS

- 2023: Awarded **"One Intel"** by Intel Corporation for demonstrating teamwork.
- 2022: Awarded **"Fearless Innovation"** by Intel Corporation for idea generation and driving the team to excellence in innovation.
- 2021: Received **"Best Final Year Project"** award from the Department of CSE for contributing to the school project.
- 2020: Received **"Outstanding Student Researcher"** award for publishing 5 research articles in International journals.