

# TARUN GURUVELLI

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## OBJECTIVE

Data-driven student pursuing Integrated MTech in Computer Science with strong skills in Data Analysis, Cloud Computing, and Statistical Methods. Experienced in building cloud-based data pipelines and analytics solutions on AWS. Seeking a Data Science internship to apply analytical techniques, automate data workflows, and contribute to data-driven decision-making.

## WORK EXPERIENCE

|  |                    |
|--|--------------------|
| <b>Software Engineering Intern — Valiqor</b>   | Dec 2025 – Present |
| Trace Testing — Test Automation — CI/CD  |                    |
| <ul style="list-style-type: none"><li>Implemented automated unit and integration tests for trace-processing pipelines, improving test reliability and coverage.</li><li>Built CI workflows using GitHub Actions to validate trace data and automate test execution on every commit.</li><li>Added multiple test cases and fixed critical bugs, reducing manual trace validation and CI failures.</li><li>Authored contributor documentation and scripts to streamline local test execution and developer onboarding.</li></ul> |                    |

## SKILLS

|                              |  |
|------------------------------|--|
| <b>Programming Languages</b> | Python, R, SQL   |
| <b>Data Science</b>          | Data Cleaning, Feature Engineering, Model Evaluation, Statistical Analysis |
| <b>Technologies</b>          | Docker, Linux, REST APIs, Bash/Zsh, Streamlit, Tableau/Power BI            |
| <b>Libraries</b>             | NumPy, Pandas, Matplotlib, Seaborn, scikit-learn, PyTorch                  |
| <b>Cloud</b>                 | AWS (S3, Lambda, SageMaker, Rekognition, Step Functions, API Gateway)      |
| <b>Tools</b>                 | Git, GitHub, Jupyter Notebook, VS Code                                     |
| <b>Soft Skills</b>           | Leadership, Problem Solving, Communication                                 |

## EDUCATION

|   |             |
|---|-------------|
| <b>Bachelor of Computer Science</b> , VIT Chennai | 2022 - 2027 |
| CGPA: 8.3/10.0                                    |             |
| <b>12th</b> , Sri Sanjivini College               | 2019 - 2021 |
| Marks: 955/1000                                   |             |
| <b>10th</b> , Sri Chanukya School                 | 2015 - 2019 |
| CGPA: 10.0/10.0                                   |             |

## PROJECTS

### **AWS Attendance Automation (Cloud + OCR) — [Project Link](#)**

Developed a serverless attendance system that extracts student names and registration numbers from ID-card images using AWS Textract, reducing manual processing time by 90%. Automated CSV report generation, secure authentication, and cloud storage using AWS Amplify, Lambda, API Gateway, Cognito, and S3.

*Tech: Python, AWS Lambda, Textract, S3, API Gateway, Cognito, Amplify*

### **Customer Behavior Analytics Pipeline (Cloud Data Engineering)**

Built an automated cloud analytics pipeline to ingest, clean, and transform customer behavior data, generating insights that improved retention and engagement reporting by 40%.

*Tech: AWS S3, AWS Glue, AWS Athena, AWS Lambda, QuickSight, SQL, Python*

## **Financial Data Warehouse & KPI Dashboard (Cloud Analytics)**

Designed a cloud-based financial warehouse consolidating billing and transaction data, enabling 100% automated KPI reporting and reducing manual analysis time by 75%.

*Tech: Google BigQuery, Cloud Storage, Cloud Functions, Cloud Scheduler, Looker Studio, SQL*

## **Enterprise Log Analytics & Insights System (Cloud ETL)**

Developed a scalable log analytics system processing over 5M+ log entries daily to identify performance bottlenecks, improving incident response visibility by 60%.

*Tech: Azure Data Lake, Azure Databricks, Azure Synapse, Power BI, Event Hub, Spark*

## **LEADERSHIP ROLES**

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- **Secretary, NSS VIT Chennai (2024 - Present)**: Elected as Secretary to oversee operations, coordinate events, and lead community service initiatives for a team of 100+ members.
- **NSS Parade Commanding Officer (2023-2024)**: Led a team of 40+ members, organizing parade activities.
- **Student Coordinator**
  - **Workshop on Angular, Techno VIT**: Coordinated a workshop with 75+ participants.
  - **Workshop on GoLang, Techno VIT**: Organized a workshop for 55+ participants.
  - **National Youth Day Event**: Managed a large-scale event for 200+ participants.

## **CERTIFICATIONS**

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- AWS Certified Cloud Practitioner – [View Credential](#)
- AWS Machine Learning Foundations – [View Credential](#)
- Supervised Machine Learning – [View Credential](#)
- Complete AI Machine Learning, Data Science Bootcamp – [View Credential](#)