GOWTHAM S

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Education

Malnad College of Engineering 2021 – 2025
B.E. Information Science & Engineering, CGPA: 7.74 *Hassan, Karnataka*

Experience

SupaDev Technologies Pvt Ltd Feb 2026 – Jun 2026
Forward Deployed Engineer Intern *Bengaluru, Karnataka*

- Built and maintained data ingestion, transformation, and storage pipelines in Python for two production client-facing applications, moving data reliably into PostgreSQL.
- Wrote and optimized SQL queries against relational schemas for data extraction and reporting, reducing query latency on high-volume tables.
- Ran data validation and reconciliation checks, tracing discrepancies to root cause and verifying fixes against defined test cases before release.
- Set up CI/CD pipelines with GitHub Actions to automate testing and deployment, cutting manual release steps and improving deployment consistency.
- Collaborated in sprint planning and code reviews via Git/GitHub, and maintained technical documentation for data features and API integrations.

Projects

SupaCam – AI-Based Safety Monitoring System *Python, OpenCV, WebSockets, PostgreSQL*

- Built a real-time data pipeline that ingests live video streams, processes frames with OpenCV, and detects safety violations such as missing helmets.
- Designed a PostgreSQL schema to store structured detection events and built a WebSocket service to push low-latency alerts to a live review dashboard.

Valzy – Property Valuation Platform *Python, JavaScript, PostgreSQL, AWS Lambda*

- Built an ETL pipeline that collects property listing data from multiple real estate sources and loads it into PostgreSQL, powering price-trend analysis across 2,000+ listings.
- Designed relational schemas for efficient storage and querying of listing data, and used AWS Lambda to automate parts of the ingestion and report-generation workflow.

Technical Skills

- **Languages:** Python, SQL, Go, JavaScript
- **Data & Databases:** PostgreSQL, MySQL, RDBMS design & indexing, ETL/ELT pipeline development, data validation & reconciliation, JSON/CSV
- **Cloud & Tools:** AWS (Lambda, EC2, S3), Docker, Kubernetes, Git/GitHub, CI/CD (GitHub Actions), DBeaver, Postman
- **Practices:** Data pipeline development, schema design, debugging, code review, Agile collaboration, technical documentation

Certifications

Python – HackerRank — SQL – HackerRank — Web Application Development