

# TALIN DAGA

Bangalore, India

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## Education

### Scaler School of technology

*Undergraduate Program in Computer Science*

**July 24 - July 28**

*Bangalore, India*

### Birla Institute Of Technology And Science, Pilani

*Bachelor of Science in Computer Science (Online)*

**July 24 - July 27**

*Pilani, India*

## Projects

### BANK-SERVER 🐙 | *Python · Django · Django ORM · REST APIs · PostgreSQL · Docker*

**Dec 25 – Present**

- Designed and developed a RESTful banking backend supporting account creation, balance management, and fund transfers.
- Implemented transactional operations using Django ORM to ensure atomicity and data consistency during concurrent transfers.
- Designed normalized PostgreSQL schemas and enforced constraints to prevent invalid financial states.
- Containerized the application using Docker for reproducible local and deployment environments.
- Structured the backend into modular Django apps to improve scalability and maintainability.

### Automation system 🐙 | *Python · Django · Automation Scripts · Git & GitHub · HTML/CSS*

**Nov 25 – Dec 25**

- Built a Django-based automation system to execute scheduled backend tasks such as email handling and utility workflows.
- Wrote Python scripts to automate repetitive processes, reducing manual intervention.
- Designed modular Django apps to keep automation logic extensible and isolated.
- Added basic frontend views to trigger and monitor automation workflows.

### STOCK-PREDICTION 🐙 | *Python · Pandas · NumPy · Scikit-learn · Matplotlib*

**Sep 25 – Nov 25**

- Preprocessed and analyzed historical stock market data using Pandas and NumPy.
- Performed feature engineering to prepare datasets for machine learning models.
- Trained and evaluated regression-based models to predict stock price trends.
- Visualized trends and model outputs using Matplotlib for analysis.

### BLOG-GENERATOR 🐙 | *Python · Django · HTML/CSS · Git & GitHub*

**Jul 25 – Sep 25**

- Developed a Django web application that generates blog-style text from YouTube video link inputs.
- Implemented backend logic to process user input and return structured text output.
- Built server-rendered views using Django templates to support content generation workflows.
- Organized the project using modular Django apps and Git-based version control.

### ECOMMERCE APPLICATION 🐙 | *Python · Django · HTML/CSS · Git & GitHub*

**Jul 25 – Aug 25**

- Developed a full-stack e-commerce web application using Django.
- Implemented product catalog, cart functionality, and checkout workflows.
- Built secure user authentication and session management using Django authentication.
- Designed modular apps to separate business logic and improve code maintainability.

## Technical Skills

**Languages:** Python, JavaScript, SQL, Java

**Developer Tools:** Git, Docker, Postman, VS Code, Linux

**Technologies/Frameworks:** Django, Django REST Framework, React

## Course Work

Operating Systems — Database Management Systems (DBMS) — Computer Networks  
Data Analytics — Linear Algebra — Probability and Statistics