

# NITHIN A

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## CAREER OBJECTIVE

To pursue a career in a software industry with increasingly responsible position, where I intend to learn and constantly upgrade my skills to solve the challenges and contribute towards the progress of the organization.

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## WORK EXPERIENCE

**Graduate Apprentice Trainee | Bharat Electronics Limited, Bengaluru**

July 2024 – July 2025

- Managed and maintained Ubuntu Linux servers and Proxmox virtual machines, ensuring stable and secure environments.
  - Configured and monitored the ELK Stack for centralized logging, performance tracking, and troubleshooting and implemented user and system access controls.
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## PROJECTS

### Social Media Backend System Using FastAPI

- Built a RESTful backend application using FastAPI following clean and modular structure.
- Implemented CRUD operations using PostgreSQL and SQLAlchemy ORM.
- Designed API request/response validation using Pydantic models.
- Implemented update and delete operations with proper HTTP status codes.
- Focused on clean, readable, and maintainable backend code.
- Tested APIs using Postman and FastAPI's automatic documentation (Swagger).

### Pricing Intelligence Data Pipeline Using Airflow

- Built an end-to-end ETL data pipeline using Apache Airflow and Docker.
  - Scraped product data from a website using Python and BeautifulSoup.
  - Fetched daily exchange rates from an external API and converted product prices from GBP to INR.
  - Designed a PostgreSQL database schema to store staging exchange rates and transformed product data.
  - Implemented task orchestration with Airflow DAGs to manage extraction, transformation, and loading stages.
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## TECHNICAL SKILLS

- **Programming & Frameworks:** Python, FastAPI
  - **Data & ETL Tools:** Apache Airflow, Pandas (basic), BeautifulSoup
  - **Database:** MySQL, PostgreSQL, SQLAlchemy, psycopg2
  - **Web Services & APIs:** REST APIs, JSON, Postman
  - **DevOps & Tools:** Docker, Docker Compose, Git
  - **Logging & Monitoring:** ELK Stack
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## EDUCATION

Jain Institute of Technology, Davanagere, Karnataka

Aug 2019 – June 2023

Bachelor of Engineering (B.E) | Major: Computer Science and Engineering (CSE) | CGPA: 7.25/10

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## KEY ACHIEVEMENTS

- Appointed as a BEL Engineer for the Maharashtra State Assembly Elections (Nov 2024) and allocated to Chandrapur District.
- Performed testing and validation of Electronic Voting Machines (EVMs) and loaded political party symbols as per Election Commission guidelines.
- Provided on-ground technical support during election days, resolving EVM-related issues to ensure smooth election operations.