

# Dharmasastha

Software Developer

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 Trichy, India

## Projects

### FIRDS - Full-Stack Web Application

Built a full-stack platform with dynamic query builder and advanced filtering.

- **Frontend:** Used jQuery for frontend logic and API calls; integrated a dynamic UI for field selection and data export within a **.NET Core web application**.
- **Backend:** Designed a custom MySQL schema, optimized stored procedures, and developed high-performance APIs using **.NET Core**.
- **Security:** Implemented secure JWT-based authentication, including login, registration, password reset, and email activation features.

### SQL Bonds - API Development (Backend Only)

- Developed **100+ custom APIs** and an **admin panel** using **.NET Core**, secured with **API key headers, JWT bearer tokens**, and **role-based user authentication**.
- Implemented a **caching service in .NET Core** to efficiently handle over **180,000 records**, significantly improving performance and reducing database load.
- Ensured **data security** by **encrypting all API keys and sensitive values** throughout the system, following best practices in **.NET Core**.

### FII - Admin Panel Feature (Full UI + API)

Confidential Project - Admin Panel Feature Development

- Designed and implemented a user and role management module within the admin panel using **.NET framework**, supporting full **CRUD** operations for users and roles.
- Enabled role-based access control by allowing admin users to assign and manage user roles securely.
- Focused on scalability, clean UI integration, and adherence to secure coding practices for sensitive user data.

### Automated Windows Service - Multi-threaded Processing

- Developed **5+ Windows Service applications** for bot-based automation, running on scheduled intervals.
- Automated **email file downloads** and **web scraping** using **Selenium**, handling dynamic and secure websites.
- Implemented **robust file handling** to extract and process data from various formats (XML, TXT, CSV, etc.).
- Applied **well-structured file management** and **SFTP integration** for secure file transfers and automation workflows.

## Education

### Master of Computer Applications,

Bishop Heber College

2022 | Trichy, India

### Bachelor of Computer Applications,

Srimad Andavar Arts and Science College

2020 | Trichy, India

## Skills

### Programming Languages &

**Frameworks:** — Competent

- .NET Core, C#, ASP.NET
- JavaScript, jQuery
- Python
- HTML5, CSS3, Bootstrap

**Database Management:** — Amateur

- MySQL, SQL Server
- Stored Procedures, Query Optimization
- Entity Framework, LINQ

**Web Development:** — Proficient

- RESTful APIs, JWT Authentication, API Security

**Project Management Tools** — Amateur

- Jira

**Soft Skills:** — Amateur

- Problem-solving, Team Collaboration, Agile methodologies

### Tools & Technologies:

- Bitbucket
- Postman, Swagger
- Visual Studio
- Visual Studio Code
- DBeaver
- WinSCP (file transfer over SFTP/FTP)
- PuTTY (remote server management and SSH access)