

# DHARANESWARAN S

## PROFILE

Backend-focused M.Tech Computer Science student with strong Python fundamentals and hands-on experience building full-stack and AI-powered applications. Developed projects involving NLP-based PDF intelligence, real-time computer vision, and database-driven web platforms. Quick learner with practical exposure to Flask, MySQL, and API-driven systems, seeking a fresher software development role.

## PROFESSIONAL EXPERIENCE

### Full Stack Developer Intern

Duo Dev Technologies — March 2025

- Completed hands-on training in Full Stack Development, working with HTML, CSS, JavaScript, and PHP for backend development with database connectivity.
- Utilized Bootstrap for responsive and modern UI design.
- Actively contributed to projects and consistently delivered high-quality work, earning recognition as one of the top performers during the internship.

## EDUCATION

### Erode Sengunthar Engineering College

Master of Technology in Computer Science and Engineering

2022-2027 CGPA of 8.80 (upto 6<sup>th</sup> Semester)

### AVP Trust Public School (CBSE)

Higher Secondary Certificate (HSC)

2022 Scored: 75%

Secondary School Certificate (SSLC)

2020 Scored: 82.6%

## SKILLS

**Primary Language:** Python

**Libraries/Framework :** Flask,Django

**Web Development:** HTML,CSS And Javascript

**Databases:** MySql,PostgreSql

**Collaborative Tools:** Git and Github

## CONTACT

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## CERTIFICATIONS

- Introduction to Python From Infosys SpringBoard(24H)
- SQL Certification From LinkedIn Learning
- Python for Data Science From Infosys SpringBoard(16H)
- Model Context Protocol Certification From Anthropic
- Python and Flask Framework For Complete Beginners (Udemy,Horizon Tech)
- Software Project Management from NPTEL With 67% (Elite)

## AREA OF INTERESTS

- Backend Development
- Python Development
- Full Stack Development
- AI/ML
- Cloud Computing
- Devops

# PROJECTS

## PdfGPT

- Enabled natural language querying of large PDF documents, reducing manual search effort and improving information retrieval efficiency.
- Implemented text extraction, NLP preprocessing, and semantic chunking to generate accurate, context-aware responses.
- Optimized the processing pipeline to reduce token usage and improve response time, making the system cost-efficient and scalable.

## Civic Issue Reporting Platform

- Developed a location-based civic reporting system enabling citizens to report issues with images and geo-tagging.
- Implemented an admin dashboard for issue verification, status tracking, and region-wise management.
- Used real-time database updates and role-based access control to improve transparency and operational efficiency.

## Hall Allocator

- Automated exam hall seating allocation, eliminating manual errors and reducing administrative effort.
- Applied rule-based logic to ensure fair seating, proper spacing, and hall capacity constraints.
- Designed the tool for offline use, making it suitable for educational institutions with limited connectivity.

## Unified Trade

- Built a lightweight e-commerce platform enabling small vendors to register, list products, and manage inventory.
- Implemented user authentication, product CRUD operations, and category-based browsing.
- Focused on responsive design and scalability to support local businesses across devices.

# ACHIEVEMENTS

- Won 2<sup>nd</sup> Prize at Nandha Engineering College In Site Sprint [Create an Website in an Hour]
- Got Nptel Elite Rank in Software Project Management