

Dharanikaran S

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EDUCATION

SSN College of Engineering

B.Tech in Information Technology; CGPA: 8.38/10

Chennai, India

Aug 2023 – May 2027

BVB Higher Secondary School

12th Grade; Score: 97.3%

Erode, India

Jun 2021 – May 2023

TECHNICAL SKILLS

Languages: Python, Java, SQL, HTML/CSS

Technologies: Flask, GitHub, REST APIs, Selenium

Concepts: Data Structures, Algorithms, Object-Oriented Programming, Database Management

Soft Skills: Adaptability, Leadership, Team Collaboration, Communication, Time Management

PROJECTS

Nodup – AI-Powered Plagiarism Detection Platform | [GitHub](#)

Jan 2025 – Apr 2025

- **Tech Stack:** MERN Stack, Flask, Python, Sentence-Transformers, Adobe PDF Services, Git
- Architected and deployed a full-stack plagiarism checker web application with semantic similarity scoring
- Integrated pre-trained `stsb-roberta-large` model to identify context-aware similarities between documents
- Enabled multi-format document support (PDF, DOCX, TXT) via Adobe PDF API for scalable extraction and parsing

SSN Helpdesk Ticketing Portal | [GitHub](#)

Dec 2023 – Jan 2024

- **Tech Stack:** Flask, HTML, CSS, JavaScript, JSON, Git
- Developed a ticketing system to streamline reporting and tracking of campus facility issues
- Implemented REST APIs with Flask and JSON storage to manage request lifecycles efficiently
- Designed technician dashboard with status filters and integrated email notifications using SMTP protocol
- Minimized manual complaint handling by implementing digital automation.

Amazon Product Analytics Dashboard | [GitHub](#)

Sep 2024 – Oct 2024

- **Tech Stack:** Flask, MySQL, Selenium, HTML/CSS, Git
- Built a real-time analytics platform to monitor product trends, price fluctuations, and customer sentiment
- Scraped Amazon product data using Selenium and stored insights in a relational MySQL database
- Implemented database triggers and stored procedures for optimized querying and data integrity
- Visualized data insights like top brands, rating distributions, and pricing trends on dynamic dashboards

LEADERSHIP / VOLUNTEERING

Team Lead, Nodup – Academic Integrity System | [GitHub](#)

Jan 2025 – Apr 2025

- **Focus:** Agile Management, API Integration, Code Review, Full-Stack Architecture
- Led a 4-member team in agile sprints to deliver end-to-end plagiarism detection web app
- Coordinated team sync-ups, feature rollouts, and conducted regular code quality reviews

NSS Volunteer – SSN College of Engineering

Aug 2023 – Present

- **Focus:** Environmental Drives, Social Awareness, Outreach Programs
- Organized and participated in lake rejuvenation and tree plantation drives
- Spearheaded a donation campaign distributing 300+ books to underprivileged schools

CERTIFICATIONS

- Ethical Hacking – Indian Institute of Technology, Kharagpur (IIT KGP)