

# Darshan P K

## Aspiring Software Engineer | AI & ML Enthusiast

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## SKILLS SUMMARY

- **Languages:** C/C++, Python, JavaScript, Java
- **Frameworks:** HTML and CSS
- **Tools/Platforms:** MySQL, DSA, Microsoft Excel
- **Soft Skills:** Leadership, Problem-Solving, Adaptability.

## PROJECTS

### Adaptive Learning System | [GitHub](#)

Oct 2025- Nov 2025

- Built ML-based learner segmentation using PCA + K-Modes clustering on student performance data
- Developed real-time dashboard to track learning behaviour and engagement metrics
- Improved personalized content recommendation accuracy by 30%
- Deployed interactive Streamlit app for performance visualization
- **Tech Stack:** Python, Streamlit, Pandas, Scikit-learn.

### Student Mark Analyzer | [GitHub](#)

Jul 2025- Aug 2025

- Developed menu-driven academic record management system
- Implemented sorting & searching algorithms for result analysis
- Strengthened problem-solving using core DSA concepts
- **Tech Stack:** C++, Data Structures & Algorithms.

### E-Waste Collection Locator | [GitHub](#)

Jan 2025- Feb 2025

- Designed responsive web app to locate nearest e-waste disposal centres
- Implemented location-based search improving user accessibility
- Promotes sustainable disposal and environmental awareness
- **Tech Stack:** HTML, CSS, JavaScript.

## TRAINING

### Basics of Data Structures & Algorithms using C++ | LPU | [Certificate](#)

Aug 2025- Oct 2025

- Implemented core data structures (arrays, linked lists, stacks, queues, trees, graphs) through hands-on coding practice.
- Analyzed and compared algorithm efficiency using Big-O notation to improve performance in real tasks.
- Applied problem-solving strategies to build logical thinking and competitive programming skills.
- **Tech Stack:** C++, Data Structures & Algorithms.

## CERTIFICATES

### Computational Theory: Language Principle & Finite Automata Theory | [Certificate](#)

Aug 2025

### The Bits and Bytes of Computer Networking | [Certificate](#)

Sep 2024

### Introduction to Hardware and Operating Systems | [Certificate](#)

Sep 2024

## EXTRA CURRICULAR ACTIVITY

- Community Education Volunteer — Taught Kannada, English & Math to Ashram children; guided about career paths as part of a community education initiative | LPU | [Certificate](#) Jul 2025
- Chess Player — Participated in college tournaments & Chess.com online competitions, improving tactical gameplay.

## EDUCATION

### Lovely Professional University

Bachelor of Technology - Computer Science and Engineering | CGPA: 4.2

Punjab, India

Aug 2023 – Present

### BGS PU College

Intermediate(PUC)- 81%

Nagarur, Bengaluru

May 2020- Apr 2022

### MES Public High School

Matriculation - 93%

Nelamangala, Bengaluru Rural

Jun 2019- Jun 2020

