

Ekansh Lamba

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Summary

Third-year Computer Science student with hands-on project experience in both backend and frontend development. Passionate about building complete applications and skilled in machine learning fundamentals. Eager to secure a software developer internship to contribute to a collaborative team and expand my technical expertise.

Education

SRM Institute of Science and Technology, Chennai
B.Tech in Computer Science

Expected May 2027
CGPA: 8.37/10.0

- **Relevant Coursework:** Data Structures & Algorithms, Object-Oriented Programming, Operating Systems, Database Management Systems, Artificial Intelligence, Enterprise Resource Planning, Machine Learning

Projects

Fashion Trend Analysis — Machine Learning Project

Aug 2025 – Sep 2025

- **Tech Stack:** Python, TensorFlow, Streamlit, OpenCV, Pandas
- Built a fashion trend prediction model using the H&M dataset by integrating image and textual product data.
- Designed a Streamlit dashboard to visualize trend patterns and similarity scores between fashion items using cosine distance.

Wheelify — Full-Stack Vehicle Rental System

Jan 2024 – Mar 2024

- **Tech Stack:** Java, Spring Boot, React.js, MySQL, REST APIs, HTML/CSS
- Engineered a full-stack web application using Spring Boot for RESTful APIs and React.js for a responsive, mobile-first user interface.
- Designed and implemented a normalized MySQL database schema to efficiently manage user data, vehicle inventory, bookings, and payments.

OptiGlyph — CNN-based Digit Recognition

Dec 2023 – Jan 2024

- **Tech Stack:** Python, TensorFlow, Keras, NumPy, Matplotlib
- Implemented a Convolutional Neural Network (CNN) from scratch, achieving over 98% validation accuracy on the MNIST dataset.
- Developed automated preprocessing scripts to normalize and augment image data, significantly improving model performance and generalization.

Smart Irrigation System — IoT Automation

Sep 2023 – Nov 2023

- **Tech Stack:** C/C++, Arduino, IoT Sensors
- Developed and deployed an Arduino-based system that automates irrigation by monitoring real-time soil moisture levels.
- Programmed the microcontroller to trigger a water pump via a relay module, achieving a 30% reduction in water consumption in test environments.

Technical Skills

- **Languages:** Java, Python, C++, C, SQL
- **Frameworks & Libraries:** Spring Boot, React.js, TensorFlow, Keras, NumPy
- **Web Technologies:** HTML5, CSS3, REST APIs
- **Databases:** MySQL

- **Developer Tools:** Git, GitHub, Maven, Arduino IDE, Figma
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Certifications

- Virtual Internship, Cybersecurity – Palo Alto Networks (2024)
 - The Complete SQL Bootcamp – Udemy (2024)
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Leadership & Activities

- **Creative Team Lead, FUTURIX** (2025–Present): Lead a team of designers in creating all visual content for club events, and mentor junior members on UI/UX principles using Figma.
- **Senior Marketing Manager, AIESEC Chennai** (2024–2025): Spearheaded marketing campaigns for 4+ organizational events, resulting in a 25% increase in student attendance.
- **Committee Member, AARUUSH SRMIST** (2023–2025): Coordinated logistics and resource management for 5 technical and cultural events with over 1000+ attendees.