

Prisha Singh

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Enthusiastic and motivated B. Tech Computer Science student with a strong foundation in programming, data structures, and algorithms. Proficient in languages such as Python, Java, and C++, with hands-on experience in web development, machine learning, and Flutter development. Passionate about software development and eager to apply knowledge to real-world projects.

EDUCATION

- B. Tech in Computer Science** | Amrita Viswa Vidyapeetham, Amritapuri 2022-2026
Current CGPA: 8.9
- Grade 12th** | Army Public School, Noida 2022
Grade: 90%
- Grade 10th** | KV, Kochi 2020
Grade: 96%

SKILLS

- Programming Languages:** Java, C++, Python, Dart
- Machine Learning:** Regression, Classification, Model Tuning, Model Evaluation
- Frontend:** HTML, CSS, JavaScript
- Backend:** Node.js, Express.js, REST APIs
- Flutter App Development**

PROJECTS

AQI Prediction using Machine Learning Models | 2024

- Faced the challenge of predicting AQI using environmental and pollutant data.
- Implemented models like **Random Forest, XG-Boost, and Support Vector Regressor**, using **preprocessing** techniques such as **scaling, outlier removal, and dimensionality reduction**.
- Achieved the **best results with XG-Boost**, demonstrating superior accuracy in predicting AQI.

Meal Selection App | 2024

- Faced the need to create a user-friendly meal selection app with categorized options and filters.
- Built the app using **Flutter, incorporating List View builder** for categorized meal lists with a vegetarian filter, dynamic Grid View layouts for responsive design, and seamless navigation through **Navigator and Drawer** widgets.
- Delivered an intuitive, smooth user experience with responsive design and easy filtering of meal choices.

Myntra Hackathon Project | 2024

- Needed to provide tailored style recommendations in a fashion web app based on user preferences.
- Integrated personalized quizzes **and dynamic UI components using HTML, CSS, and JavaScript. Leveraged REST APIs** for real-time data handling to create an interactive front-end experience.
- Delivered **personalized fashion suggestions**, offering a seamless and engaging shopping experience.

Weather Data API

| 2023

- Identified the need for real-time, location-specific weather updates with efficient data retrieval.
- Built a **backend service** using **Node.js** and **Express.js**, integrating **REST APIs** to fetch real-time weather data.
- Delivered a solution that provides accurate, **city-specific weather** information in real time.

Music Player App

| 2023

- Needed a music player with a graphical interface to manage playlists and control playback.
- Developed the app using Java Swing, utilizing J-List for playlist management and J-Button for playback controls.
- Delivered a functional, **Swing-based** music player with an intuitive interface for easy playlist and playback management.

ACHIEVEMENTS

- ❖ **Myntra We For She Hackathon 2024: Semi- finalists**
Participated and successfully advanced beyond the Ideathon round in the Myntra WeForShe Hackathon 2024, continuing to the next stage of the competition.
- ❖ **HackerRank Dashboard (5 Java)***
Achieved a 5-star rating and a Gold-level badge in Java on HackerRank.
- ❖ **Merit Certificate from CBSE**
Received a merit certificate for being in the top 0.1% of students in English.

COURSES

- **The Web Developer Bootcamp by Angela Yu | Udemy**
Gained a comprehensive understanding of web development, including HTML, CSS, JavaScript, Node.js, and more.
- **Flutter Development | Udemy**
Acquired hands-on experience in building mobile apps with Flutter, focusing on UI/UX design and app functionality.
- **Machine Learning in Practice | Data Camp**
Explored various machine learning techniques, including regression, classification, feature engineering, and model evaluation, providing hands-on experience with real-world data.

SOCIAL OUTREACH ACTIVITY

Workshop on Recognizing and Responding to Inappropriate Interactions:

- Organized a workshop to educate students on recognizing and responding to inappropriate physical and digital interactions.
- Empowered participants through interactive activities and practical demonstrations, providing essential skills for personal safety.
- Received positive feedback, highlighting the program's success in fostering a safer and more informed community.