Ashwini Marathe

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BE-Computer Engineering
Dr.DY Patil Institute Of Technology

Education

Degree	Institute/Board	CGPA/Percentage	Year
Bachelor of Engineering	Dr. DY Patil Institute Of Technology, Pimpri	9.5/10 (Current)	2025
HSC	Narayana Junior College	78%	2023
SSC	Lok Kalyan Public School	93.80%	2021

Work Experience

- **Research and Development Club** *Present*
  Member of the Club Pimpri, Maharashtra
  - Designed and developed an innovative Smart Umbrella integrating GPS, Wi-Fi, BLE tracking, ultrasonic mist maker, weather alerts, and solar charging using Arduino and NodeMCU.
  - Achieved 1st Prize in Prakalp Project Competition and received a 10,000 award; project received sponsorship from Auriquant, Pune.
  - Filed patent under publication, applied for funding at La Trobe University, Australia, and received recognition for innovation and social impact.

Projects

- **Smart Umbrella Project** *Mar 2024*
  Guide: Dr. Atul Kathole GitHub
  - Designed an IoT-based Smart Umbrella with GPS BLE tracking, solar charging, ultrasonic mist maker, and real-time weather alerts using Arduino and NodeMCU.
  - Enabled smart features like rain reminders and location tracking, enhancing user safety and comfort.
  - Used ESP, **Web Technology:** Tailwind CSS, **Cloud:** MongoDB Atlas.

- **Bank Management System - Java** *June 2024*
  GitHub
  - **User registration** with secure detail management (name, email, address, phone number).
  - **PIN management** for security, cash deposit/withdrawal, and internal fund transfer.
  - **Fund Transfer:** Users can transfer funds to other accounts within the system.Transaction History: Users can view their transaction history

- **WanderLust** *December 2024*
  GitHub
  - Developed an Airbnb clone using Node.js, MongoDB, and the MVC model, featuring user authentication , property listings, reviews , and image uploads with Cloudinary
  - It includes CRUD operations for seamless management and a structured MVC architecture for scalability with REST full API.

Technical Skills

Competitive Programming

- **LeetCode:** Solved more than **50+** questions.
- **HackerRank: 4 Stars** in **Java**, **3 Stars** in **C++**.

Programming Languages: C++, Java

Tools & Libraries: Visual Studio, Git, GitHub.

Key Courses Taken

Computer Science Courses: Data Structures & Algorithms , Object-Oriented Programming , DBMS , Operating System

Web Development Courses : HTML,CSS,Javascript,React ,Spring Boot,MySQL,MongoDB.

Miscellaneous

- Filed a **Patent** for the Smart Umbrella Project.

- Won **1st Prize** in Prakalp Project Competition; received 10,000 and sponsorship from **Auriquant**, Pune. 2023