Devleena Das

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PROFESSIONAL SUMMARY

A Computer Science and Engineering graduate with expertise in full stack development, AI tools, machine learning and UI/UX design. Led projects, mentored peers, and organized technical events. Passionate about driving diversity in tech and enhancing problem-solving skills through DSA practice. Skilled in building impactful solutions and fostering inclusive communities.

TECHNICAL SKILLS

Languages : C++, C, Python, Java, SQL, JavaScript, TypeScript, HTML, JSON, CSS, Sass

Frameworks : ReactJs, NextJs, ExpressJs, React Native, Expo, TailwindCSS, MaterialUI, Bootstrap, FastAPI

Libraries and Tools : TensorFlow, NumPy, Pandas, Scikit-learn, Git, GitHub, Figma, AdobeXD, Android Studio, MongoDB Compass, Firebase, Google Colaboratory, Postman, MySQL Workbench, PostgreSQL, Vite

Others : GenAI, MCP (Model Context Protocol), Agentic AI, Design Patterns, Debugging, Root Cause Analysis

EXPERIENCE

Co-Founder | *SHEvolution*   *September 2023 –Present*
- Established Shevolution, a tech community dedicated to empowering women in technology with mentorship, guidance, and opportunities.
- Curated and led 7 sessions which included guest speakers from top tech companies; enriched participant knowledge and engagement, with an overall **increase in attendance by 25%** compared to previous events.
- Designed interactive DSA practice session engaged over 50 attendees, promoting diversity in tech and providing mentorship opportunities for participants.

Core Team Member | *Google Developer Students Club*   *May 2022 – July 2024*
- Coordinated **3 technical events and 2 workshops** for Google Developer Students Club, enhancing learning opportunities and community engagement.
- Managed and executed projects, including UI/UX challenges and one hackathon, to foster hands-on experience and innovation among students.
- Facilitated collaboration and knowledge sharing within the tech community, driving growth and participation in GDSC activities.

EDUCATION

Kalyani Government Engineering College	**B.Tech in Computer Science and Engineering** | CGPA : 8.5	*2021 – 2025*
Ashoknagar Banipith Girls High School	**Secondary and Higher Secondary** | Percentage : 92	*2012 – 2020*

PROJECTS

Depth-Aware Image Captioning System | *Python, NumPy, PIL, Depth Anything V2, Kosmos-2, Gradio*   *April 2025*
- Engineered a **training-free image captioning system** that leverages visual and depth information to produce semantically accurate and spatially grounded captions.
- Demonstrated significant performance gains across multiple vision-language models on the **POPE dataset**, with our **BLIP-LDP variant** achieving **95.33% Accuracy** .
- Improved VQA robustness on the **GQA dataset**, with **Qwen2.5-VL-LDP** outperforming its baseline by **+15.85%** in accuracy (**65.92% from 50.07%**).
- Published as **first-author** at the **CVAM Workshop, ICCV 2025** under the title: *"ByDeWay: Boost Your Multimodal LLM with DEpth Prompting in a Training-Free Way"*.

Reloop | *Python, FastAPI, Stramlit, ReactJs, Vite, MongoDB, NodeJs, ExpressJs, NumPy, Pandas, Scikit-learn*   *August 2024*
- Architected a logistics intelligence platform to analyze and optimize supply chain operations, enabling predictive insights and reducing manual intervention.
- Designed a **return-rate prediction engine** that achieved **87% model accuracy**, improving inventory allocation and minimizing operational losses.
- Delivered **data visualization dashboards** for real-time tracking and insights, facilitating **data-driven decision-making** for logistics stakeholders.
- Led end-to-end product development, aligning engineering execution with key business outcomes across data, frontend, and backend layers.

AccessRide | *React Native, Expo, Firebase, Google Maps API*   *July 2023*
- Built a mobility app designed for **individuals with disabilities**, enabling accessible ride bookings and route discovery in real time.
- Integrated real-time backend support with secure authentication, improving **system reliability and user trust**.
- Focused on **inclusive design and usability**, optimizing the UI/UX to meet accessibility standards and enhance user engagement.
- Successfully delivered a **functional MVP** and demonstrated performance across all platforms under varying usage conditions.

ACHIEVEMENTS

First Author Paper Accepted	*CVAM Workshop @ ICCV 2025*	*July 2025*
500+ Problems Solved	*Leetcode*	*Ongoing*
Finalist	*Smart India Hackathon*	*September 2023*
First Runner Up	*inCode Hackathon*	*August 2023*
First Runner Up	*HackFest*	*October 2022*
Google UX Design Professional Certificate	*Coursera*	*December 2022*