Arghya Pal

Email | Linkedin | GitHub| Portfolio

Education

Heritage Institute of Technology — Kolkata, India
Bachelor of Technology in Computer Science — *2024-2028, GPA: 8.92*

Mansur Habibullah Memorial School — Kolkata, India
Science Stream — *2022-2024, 93.5%*

Projects

Avela | *Next.js, React, TypeScript, Firebase, CSS*
GitHub | Live

- Developed a responsive cycle wellness application to track periods, moods, symptoms, and daily journal entries.
- Implemented a monthly calendar, cycle estimates, and visual insights based on recorded check-ins.
- Integrated Firebase Authentication and Cloud Firestore for user accounts and private journal synchronization, with CSV export and JSON backups.

Valcerenne | *HTML, CSS, JavaScript, Node.js, Express.js, Firebase*
GitHub | Live

- Built a multi-category e-commerce application with product browsing, shopping carts, wishlists, and order management.
- Integrated Firebase Authentication and Cloud Firestore to manage customer accounts and persist application data.
- Implemented checkout with cash-on-delivery support, saved addresses, and customer order history.

Keylilt | *React, JavaScript, Vite, Tailwind CSS, Appwrite*
GitHub | Live

- Developed a minimalist typing practice application with interactive tests to measure typing speed and accuracy.
- Built a responsive interface using React and Tailwind CSS, with React Router for navigation.
- Integrated Appwrite for user authentication and implemented protected routes for account-based features.

Workshops & Learning Initiatives

Google Solutions Challenge Bootcamp (2024)– Participated in a Google-powered bootcamp organized by GDG, gaining hands-on experience with Google Developer tools and insights into real-world problem solving.

GDGOn-Campus HITK Workshop Series (2024) - Participated in multiple sessions on emerging tech topics such as Web3, Blockchain, and Building with AI, conducted by GDG HITK.

Achievements

Top 30 at Hack Heritage 2025 hackathon arranged by Heritage Institute of Technology, Kolkata.

Code On(IEM College) Selected among top 10 teams in Inter-college Hackathon

Certificates

Completed Foundational course in **Data Science and Machine Learning** from **IIT Madras** with 8.75 cgpa

Technical Skills

Languages: Java, Python, C, C++, JavaScript, TypeScript
Frontend: React, Next.js, Vite, TailwindCSS
Backend & Databases: Node.js, Express, RestAPIs, MongoDB, PostgreSQL, Firebase
AI: Gemini API, OpenAI API
Cloud & DevOps: Docker, Vercel
Developer Tools: Git, GitHub, Postman VS Code, PyCharm
Libraries: pandas, NumPy, Matplotlib