

Armaan Mishra

 [armaan.live](https://github.com/armaanx)
 armaanmishra48@gmail.com  linkedin.com/in/armaanmishra  github.com/armaanx

Education

Vellore Institute of Technology, Bhopal

Bachelor of Science in Computer Science (current GPA: 7.98)

Expected September 2025

Bhopal, Madhya Pradesh

Virendra Swarup Education Centre

10+2 ISC (90.7% in 10th Grade, 87% in 12th Grade)

July 2020

Kanpur, Uttar Pradesh

Projects

Grainify | Next.js, Tailwind CSS, Typescript, Web Workers

[GitHub](#) | [Demo](#)

- Developed **web-based image processing application** for adding **vintage effects** to photos using **Next.js, TypeScript and Tailwind CSS**.
- Implemented features including **multiple film grain options, grayscale conversion, and multiple image export options**.
- Optimized performance using **web workers**, resulting in **high-quality image processing**.
- Employed **TypeScript** for **type safety** and **robust code quality**.
- Utilized **HTML Canvas** for image rendering and processing.
- Successfully deployed on **Vercel**, receiving **positive user feedback** for design and functionality.

Spotify Music Cards | Next.js, Tailwind CSS, Spotify Web API

[GitHub](#) | [Demo](#)

- Built a web app using **Next.js** to fetch and display user's **top tracks from Spotify Web API** in an **aesthetic format**.
- Implemented **OAuth 2.0 authentication** for secure access to Spotify user data.
- Utilized **asynchronous data fetching** and **state management** for smooth user experience.
- Developed **unique functionality and design** not available in official Spotify application.
- Styled with **Tailwind CSS** for an **aesthetic and responsive design**.
- Achieved **API quota extension** from Spotify after application review.

PassProtect | React.js, Firebase

[GitHub](#) | [Demo](#)

- Developed **PassProtect**, a **cloud-based password manager** with **advanced security features**.
- Implemented **client-side 256-bit AES encryption** for secure password handling.
- Built functionality to **add, delete, and update passwords** with **seamless user experience**.
- Integrated a **random password generator** based on **user-defined preferences**.
- Leveraged **Firebase** for **real-time database management** and **user authentication**.

Technical Skills

Languages: JavaScript, TypeScript, Python, Java, C++

Frontend: React.js, Next.js, Tailwind CSS, jQuery, Bootstrap, HTML, CSS

Backend: Node.js, Express.js, Flask, React Server Actions

Databases: SQL, NoSQL, PostgreSQL, MongoDB, Firebase, Supabase

Cloud & DevOps: Amazon Web Services, Docker, Git, Firebase, Heroku, Vercel, Netlify

Other Technologies: RESTful APIs, WebSockets, Web Workers, HTML Canvas, CMS, UI Libraries

Concepts: Data Structures and Algorithms, OS, DBMS, Version Control Systems, Computer Networking, MERN Stack

Certifications: Cloud Computing (NPTEL), The Bits and Bytes of Computer Networking (Coursera)

Soft Skills

Interpersonal: Communication, Teamwork, Leadership

Professional: Problem-solving, Time Management, Adaptability

Creative: Innovative thinking, Attention to detail

Social Engagements

Graphic Designer : at Insight Club of VIT Bhopal

Sports-Engagements: Chess , Cricket, Basketball