





Aaditya Kumar Vishwakarma

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EDUCATION

BIT Sindri

B.tech Electrical Engineering

2021 - 2025

CGPA: 7.99/10.0

SKILLS

Languages: C, C++, JavaScript, Typescript, HTML, CSS

Frameworks & Libraries: Next.js, React.js, Express, Node.js, Socket.io, NextAuth

Databases: MongoDB, MySQL

Cloud & DevOps: AWS (S3), Github

PROJECTS

Mystery Message | *Next.js, TypeScript, MongoDB, Zod, NextAuth, Nodemailer, React Emails, Gemini AI, Tailwind CSS*

Live Demo | **GitHub Repo**

- Developed an anonymous feedback platform enabling users to send and receive **true feedback and messages**.
- Integrated **Gemini AI** to generate **personalized responses**, increasing **user engagement by 30%**.
- Implemented **NextAuth**, and email verification with **Nodemailer** and **React Emails**, securing **100% verified user onboarding**.
- Optimized **MongoDB** data querying with **aggregation pipelines**, making the web app **20% faster** and achieving **99% Lighthouse performance score**.
- Delivered a fast, scalable web app capable of **handling 10K+ messages**, demonstrating a **scalable architecture**.

College Bucket | *React.js, Node.js, Express.js, MongoDB, JWT, Tailwind CSS, Three.js*

Live Demo | **GitHub Repo**

- Full-stack marketplace for students, to **buy, sell and trade** items within their **campus network**.
- Designed a **RESTful backend** with **Node.js, Express.js, and MongoDB**, enabling **real time search and filtering**.
- Optimized API efficiency by **indexing MongoDB collections**, achieving **180ms average response time**.
- Secured **JWT-based authentication** ensuring **100% secured user session**.
- Delivered a **scalable and responsive marketplace** capable of handling **thousands of listings** with **fast load times** and **smooth user experience**.

ACHIEVEMENTS

Jamshack Hackathon | *Finalist*

Aug. 2023

- Organized by NIT Agartala. Developed **College Bucket**, a student-to-student marketplace, and reached the finals out of 50+ participating teams.

CERTIFICATES

Next.js & React - The Complete Guide | *Udemy*

Nov. 2023

- Learned to build **high performance** web applications using **Next.js** and **React**, including **SSR, SSG, routing, state management, API integration** and **deployment**.

HOBBIES/SIDE PROJECTS

Bubble Game | *HTML, CSS, JavaScript*

Live Demo | **GitHub Repo**

- A **time-based bubble-click game**, where players click on bubbles with the **target hit** to gain points.
- Designed **dynamic bubble generation** to enhance **challenge** and **user engagement**.

Dice Game | *Next.js, TailwindCSS*

Live Demo | **GitHub Repo**

- A **dice guessing game**, where users predict the **number rolled** on the dice with **randomized** dice roll.