



Ayush Tiwari

Portfolio

Bachelor of Technology

Electronics and Comm. Engg.

Motilal Nehru National Institute of Technology Allahabad,

Prayagraj

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Ayush5071

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EDUCATION

•Motilal Nehru National Institute of Technology, Prayagraj

2025

BTech in Electronics and Communication Engineering

CPI : 8.04

•Kanpur Public Inter College

2022

UP Board

Percentage:79.8

•Jugal Devi Saraswati Vidya Mandir

2020

CBSE Board

Percentage: 86.8

PERSONAL PROJECTS

•Quants Programmer

Jan 2025

A comprehensive platform offering detailed and structured roadmaps to help users master various technologies efficiently.

- Technologies: Next.js, MongoDB, NodeMailer, GSAP, and TailwindCSS for a robust and dynamic application.
- Implemented a secure email-based authentication system, including verification mechanisms using NodeMailer.
- Designed an engaging, interactive user dashboard that tracks roadmap progress, enriched with GSAP animations.
- Utilized a microservices-based architecture to ensure excellent scalability, efficiency, and enhanced performance.
- Included advanced features like blogging, a customizable admin panel, and intuitive UI/UX for seamless management.
- **Links:** Live Project

•CampusX: College OIX

Nov 2024

An application designed for creating ads, facilitating live auctions, and enabling real-time chat to assist college users.

- Technologies: Next.js, Express.js, MongoDB, TailwindCSS, Socket.io, Cron Jobs, Razorpay.
- Developed a robust OTP-based user registration system with features for secure and dynamic profile management.
- Built live auction systems enabling users to participate in real-time bidding and auctions, powered by Socket.io.
- Designed CRUD operations for posts like ads, lost-and-found items, and a fully functional online storefront.
- Integrated advanced real-time chat with features such as online detection, notifications, and smooth messaging.
- Implemented Razorpay integration to support online transactions, along with receipt and invoice generation.
- **Links:** Code Repository | Demo Video

TECHNICAL SKILLS AND INTERESTS

Languages: C, C++, JavaScript, TypeScript, Python (basic)

Developer Tools: VS Code, GitHub, Postman

Frameworks and Libraries: React, React Native, Next.js, Node.js, Express.js, TailwindCSS, Framer Motion, GSAP

Cloud/Databases: MongoDB, Redis

Technical Knowledge: HTML, CSS, Data Structures, Operating Systems, Basic System Design

Soft Skills: Problem-solving, Teamwork, Communication, Time Management

Areas of Interest: Web Development, Frontend Design, Backend Development, Machine Learning, System Design

POSITIONS OF RESPONSIBILITY

- **Frontend Developer, Culrav - Avishkar** Developed a profile dashboard, implemented GSAP-based animations, and optimized React performance while enhancing the UI/UX experience.
- **Web Developer, Weekend of Code** Implemented GSAP animations and ensured responsive design using Tailwind CSS. Utilized modern design principles to create visually engaging and functional components for the event's website.
- **Lead Web Developer, Green Club** Built the official website using Next.js, Tailwind CSS, and Framer Motion, delivering a responsive interface and reusable components with smooth animations.
- **SMP Mentor** Guided juniors with study plans, roadmap creation, and career development tips to help them.

ACHIEVEMENTS

- **1st Position, Dev or Die** Secured 1st position in "Dev or Die," a development competition conducted by Power Surge. 2024
- **1st Position, Innodev** Achieved 1st position in Innodev, the flagship development event conducted by ES MNNIT. 2025
- **3rd Position, Quintathlon** Earned 3rd position in Quintathlon, a multi-round event conducted by ES MNNIT. 2024, 2025