

# Abhirup Kumar Bhowmick

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https://abhirupkumar.vercel.app

GitHub Profile

LinkedIn Profile

Leetcode Profile

## EDUCATION

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- Bachelor of Technology in Computer Science And Engineering** 2021-Present  
*B.P. Poddar Institute Of Management And Technology, Kolkata* CGPA: 8.9
- ISC** 2019-2021  
*Julien Day School, Ganganagar* Percentages: 94.5

## PERSONAL PROJECTS

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- DocWhisperer** *Next.js, Typescript, tRPC, Shadcn UI, Open AI, Langchain, Pinecone, Prisma, Stripe*
  - Incorporated Langchain and OpenAI to obtain document embeddings, ensuring precise context extraction and enhancing the application's ability to interpret and respond to user queries within PDFs.
  - Developed Typesafe APIs with Typescript and tRPC.
  - Used Kinde to facilitate user authentication which resulted in 70% increase in overall effectiveness.
  - Streamlined secure recurring payments through Stripe.
- Pixelwear** *Next.js, React.js, Redux, Tailwind CSS, Material UI, MongoDB, Razorpay*
  - Facilitated secure user authentication using jwt which resulted in 45% reduction in security breaches
  - Enhanced security measures to prevent cart tampering and safeguard user information.
  - Integrated Razorpay Payment Gateway, streamlining the payment process and instilling trust among customers.
  - Designed an admin dashboard to streamline inventory management, item additions, and order dispatches, elevating operational efficiency by 40%.
- Instant** *React Native, Tailwind CSS, Typescript, Firebase, Razorpay*
  - Built Real-time chat application offering both individual and group communication capabilities.
  - Utilized Firebase to create secure authentication.
  - Added advanced features such image sharing, message replies, and customized user profiles; resulting in a 40% increase in user engagement and a 25% growth in daily active users.
- Netflix Clone** *Next.js, React.js, Tailwind CSS, Typescript, Firebase, Razorpay*
  - Emulated Netflix's responsive UI, enhancing user experience by providing a familiar and intuitive interface.
  - Introduced a convenient List functionality, allowing users to easily add their favorite movies to a personalized list.
  - Used Razorpay to facilitate subscription model, enabling seamless upgrades as per user preferences.
  - Curated an extensive collection of movies and TV shows spanning multiple genres, ensuring an immersive viewing experience for users.

## TECHNICAL SKILLS AND INTERESTS

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**Languages:** C/C++, HTML, CSS, Javascript, Typescript

**Web Dev Tools:** Node.js, tRPC, Prisma, VS Code, Git, Github

**Frameworks:** React.js, Next.js, React Native

**Cloud/Databases:** MongoDb, Firebase

**Areas of Interest:** Software Development, Web Development, Cross Platform App Development.

## ACHIEVEMENTS

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- 4th at CodeBee Coding Contest** BPPIMT, Kolkata 7th Oct, 2023
- OpenCV AI Competition 2022 Winners** Among Top 50 Teams 13th March, 2023

## CERTIFICATIONS

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- The Complete ReactJs Course - Basics to Advanced [2023]** Udemy
- Problem Solving (Basic)** HackerRank
- Web Design for Everybody: Basics of Web Development & Coding** Coursera

## POSITIONS OF RESPONSIBILITY

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- Technical Coordinator** NSCC Club - BPPIMT, Kolkata Oct 2022 - Oct 2023
  - Built the Teams Section of NSCC BPPIMT's website.