

# Arnab Paul

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## Education

### HOOGHLY ENGINEERING AND TECHNICAL COLLEGE

Hooghly, West Bengal

B.Tech in Electrical Engineering, CGPA: 7.76/10.0

Jul 2018 - Aug 2022

Relevant Coursework: Programming, Data Structures and Algorithms and Matlab.

### INDIRA GANDHI MEMORIAL HIGH SCHOOL

Kolkata, West Bengal

High School CBSE with Science with CS.

May 2016 - May 2018

## Career Objective:

To achieve a responsible position and personal goals by exploring myself more efficiently in an industry with full determination and expand my knowledge by working hard and learning new technologies.

## Technical Skills & Projects

**Programming:** C, JavaScript, TypeScript, Python, (Basic) C++ and Java

**Frontend Technologies & Frameworks:** React.js, Next.js, Tailwind CSS, Material UI(MUI), WebRTC

**Design:** UI/UX, Figma

**Backend Technologies & Frameworks:** Node.js, Express.js, WebSocket, Kafka

**Databases & ORMs:** PostgreSQL, MongoDB, Redis, Prisma, ORM

**Tools & Platforms:** Git, Docker, Firebase

### WEBRTC-Video Calling App

March 2025 - April 2025

- Developed a real-time communication interface using Next.js and Socket.IO, enhancing live user interactions and reducing latency by 70%.
- Implemented WebRTC-based peer-to-peer video and audio streaming, ensuring high-quality, low-latency media exchange and improving user engagement by 85%.

### Scalable Chat App

April 2025

- Built an interactive chat interface with React, efficiently managing high-traffic volumes and ensuring seamless communication with minimal latency for 1000+ users.
- Integrated WebSocket API to enable real-time bidirectional communication, ensuring instant message delivery and enhancing user engagement by 40%.

## Relevant Experience

### Frontend Software Developer

Aug 2024 - Apr 2025

#### UNIMAD

Remote, India

- Developed responsive UI components using React.js, enhancing user experience and achieving a 30% decrease in bounce rates on key landing pages.
- Collaborated with UX designers to implement A/B testing, resulting in a 20% increase in user engagement and a 15% boost in feature adoption.
- Optimized frontend performance by implementing code splitting and lazy loading, reducing initial page load time by 40% for improved UX.
- Worked in a 12-member cross-functional team using React.js, Next.js, Zustand, TanStack React Query, Contributing to feature development and bug resolution across API call, which reduced critical issue turnaround time by 35%.