



ABHYUDAY MISHRA

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Education

Thapar Institute of Engineering & Technology

August 2023 – May 2027

Bachelor of Technology in Electronics and Computer Engineering

Patiala, Punjab

Current CGPA: 8.78

Experience

Full Stack Developer Intern

September 2025 – March 2026

Macaron Ventures

- Engineered core product features including event creation workflow, multi-phase ticketing system, and brand profile management using Next.js and PostgreSQL.
- Constructing and integrating RESTful APIs to handle event data, ticket transactions, and user profile operations across the platform.
- Eliminated 15+ production bugs during initial onboarding month, improving application stability and user experience.
- Designing and implementing responsive frontend components using modern React patterns and TypeScript for improved code maintainability.

Full Stack Developer Intern

July 2025 – September 2025

InfoTechBrains

- Delivered features for a production e-learning platform serving 15+ schools using Next.js, Node.js, and MongoDB.
- Formulated backend APIs and database schemas for automated class scheduling, authentication, and exam management modules, streamlining daily operations for educators and students.
- Debugged and rectified 10+ production bugs in the Node.js backend, optimizing PostgreSQL database queries and REST API workflows for enhanced system performance.

Projects

Drop and Sync | Next.js, PostgreSQL, AWS S3, Gemini API

March 2025

- Architected a full-stack file management application with secure upload and retrieval capabilities using Next.js, PostgreSQL, and AWS S3.
- Configured user authentication and authorization with NextAuth, supporting credential-based login and session management.
- Enabled secure file sharing functionality with downloadable links and QR code generation along with AI based tagging for seamless resource distribution.

Node-Scale Engine | Node.js, Cluster Module, Next.js, Recharts, SSE

March 2026

- Engineered a real-time auto-scaling simulation engine using Node.js cluster module to dynamically manage worker processes based on live traffic load.
- Designed a master-worker architecture with an autoscaler that monitors in-flight request depth via IPC messaging and makes scaling decisions.
- Developed a live monitoring dashboard using Next.js and Recharts, streaming real-time metrics and logs via Server-Sent Events (SSE).

Technical Skills

Languages: C/C++, HTML/CSS, JavaScript, TypeScript, SQL

Databases: MongoDB, PostgreSQL, Redis

Frameworks: React, Next.js, Node.js, Express.js, Tailwind CSS, Socket.io, Prisma

Developer Tools: Git, Docker, AWS, GCP, Firebase, Postman, Strapi

Achievements

- * Achieved **1200+ rating on CodeChef** through solving 150+ data structures and algorithms problems, demonstrating proficiency in C++ and problem-solving.
- * Achieved **MERN Stack certification from Udemy**, demonstrating proficiency in React, Node.js, Express.js, and MongoDB for building scalable web applications.
- * Selected for **Smart India Hackathon (SIH) 2024 Internal Round** among 500+ participants, showcasing innovation and technical competency in software development.