

# Dileep Kumar

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## SUMMARY

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Computer Science graduate with practical experience in full-stack development using React.js, Node.js, and MongoDB. Skilled in building scalable applications and APIs, with exposure to real-time communication systems, database optimization, and cross-platform development.

## WORK EXPERIENCE

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### 10Pearls — Full-Stack Developer Intern

Sep 2025 – Present

- Developed a full-stack Notes App using the MERN stack (Node.js, React.js, MySQL) enabling users to securely create, edit, and manage personal notes.
- Integrated Pino Logger for application-wide logging of HTTP requests, responses, and exceptions.
- Wrote unit tests using Mocha/Chai and Jest to ensure code reliability and coverage.
- Integrated SonarQube for continuous code quality analysis and issue detection.

### YoungDev — Backend Developer Intern

Jun 2025 – Aug 2025

- Built and maintained REST APIs with Node.js & Express.js for scalable backend services.
- Integrated MongoDB with optimized queries and implemented secure authentication.
- Collaborated with frontend teams, reducing development time by 30%.

## PROJECTS

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### Parent-Teacher Communication App (FYP)

[Link](#)

Developed a full-stack mobile app enabling real-time communication between parents and teachers. Implemented modules such as messaging, attendance, student profiles, schedules, and fee management. Centralized data improved communication efficiency and performance tracking for grades 1–10.

### Multi-User Blog Website

[Link](#)

Developed a full-stack blogging platform with secure user authentication (JWT), CRUD operations for posts, and interactive features including likes and comments. Backend implemented using Node.js and Express.js with PostgreSQL for data persistence.

### HuffmanZip – File Compression Tool

[Link](#)

Implemented a file compression utility using Huffman Coding. Strengthened algorithmic skills and understanding of binary trees and encoding techniques.

## EDUCATION

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Oct 2021 – May 2025 BS in Computer Science at **Sukkur IBA University**

(GPA: 3.12/4.0)

## SKILLS

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### Languages

JavaScript, Python, Java

### Frameworks & Libraries

React.js, React Native, Node.js, Express.js, Tailwind CSS

### Databases

MongoDB, MySQL, PostgreSQL

### Tools & Platforms

Git, Linux, Postman, Docker