

# ADITYA KUMAR

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## Education

**National Institute of Technology Patna ,Patna**

**Nov. 2022 – Jun. 2026**

*Bachelor of Technology in Electronics and Communication Engineering*

*Patna, Bihar*

## Relevant Coursework

- Data Structures
- Operating Systems
- Algorithms
- Database Management
- Computer Networks
- SQL
- Object Oriented Programming

## Experience

**Bluestock** 🌐

**Pune, India**

*Software Development Engineer Intern (virtual)*

*Jun. 2025 – Jul. 2025*

- Deployed 2 scalable full-stack features including user dashboard, admin analytics pages using the MERN stack (**MongoDB, Express.js, React, Node.js**),
- Executed more than 10 secure RESTful APIs, reducing back-end response times and improving data management reliability.

## Projects

**Personal Portfolio Website** | *React.js, Tailwind CSS, Vercel*

**Live Demo** | **GitHub**

- Architected and deployed a fully responsive, high-performance personal portfolio showcasing 5+ technical projects and a comprehensive skills matrix.
- Achieved a **98 Lighthouse performance score** by optimizing image assets, implementing lazy loading for 5 components, and reducing render-blocking resources .
- Integrated a theme-switcher with persistent dark/light modes using React Context and local storage to enhance user experience.

**AI-Powered Blog App** | *MERN, Google Gemini API, ImageKit*

**GitHub**

- Built a full-featured blog platform integrating **Google Gemini AI** to generate intelligent content summaries, increasing user engagement with articles.
- Implemented secure user authentication and role-based access control (Admin, User) using **JSON Web Tokens (JWT)** and a rich text editor for dynamic post creation.
- Optimized media handling via the **ImageKit API**, enabling real-time image transformation and leveraging a CDN to accelerate content delivery.
- Developed a seamless, responsive UI using React and Tailwind CSS, and designed RESTful APIs with Express.js and MongoDB for data persistence.

**Car-Rental: Full Stack Car Rental System** | *MongoDB, Express, React, Node, JWT*

**GitHub**

- Engineered a full-stack car rental platform , designing scalable MongoDB schemas to manage data for 50+ vehicles, users, and bookings.
- Constructed a robust backend with Node.js and Express.js, creating **RESTful APIs** to manage booking logic, and user data.
- Implemented a secure Admin Panel with **JWT**-based role access, enabling full CRUD operations on the vehicle fleet and reducing administrative tasks by 25%.

## Technical Skills

**Languages:** JavaScript, C++, Python, SQL

**Frontend:** React, HTML5, CSS3, Tailwind CSS

**Backend:** Node.js, Express.js, RESTful APIs

**Databases:** MongoDB, MySQL, MongoDB Atlas

**Tools & Deployment:** Git, GitHub, VS Code, Postman, Vercel

**Methodologies:** Agile Framework, Software Development Life Cycle

## Certifications & Achievements

- LeetCode Rating:1600+, participated in 20 contests. [LeetCode Profile]
- Completed Graph Camp by AlgoUniversity (Advanced Graph Theory). [Certificate Link]
- JEE Mains 2022: 99.89 percentile in Physics (AIR 20,094). [Result Link]
- Secured top 5% in NPTEL Computer Networks (among 6,300 candidates). [Certificate Link]
- Udemy Mastering Data Structure and Algorithm using C++ by Abdul Baari [Certificate Link]
- Udemy C++ Programming by Abdul Baari [Certificate Link]