Alok Ranjan

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B.Tech
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EDUCATION

•**Indian Institute of Information Technology, Bhagalpur** *2021-2025*
Bachelor of Technology in Computer Science and Engineering CGPA/Percentage: 7.6 (Absolute)

•**Gurukul Vidyapeeth, Hajipur, 12th** *2018-2020*
Board of Intermediate Education CGPA/Percentage: 89.6

•**Kendriya Vidyalaya Sonpur, 10th** *2016-2018*
Board of Secondary Education CGPA/Percentage: 85.8

TECHNICAL SKILLS AND INTERESTS

Languages: C, C++, Dart, Javascript, SQL, Python(Familiar With)
Developer Tools: VSCode, Android Studio, Postman, Draw.io, Figma, Vercel, Render, Netlify, Jupyter Notebook, GitHub, Numpy, PowerBI.
Frameworks: Flutter, GetX, Provider, ReactJs, NodeJs, ExpressJs.
Cloud/Databases: Firebase, Supabase, MongoDB, PostgresSQL, Cloudinary.
Soft Skills: Leadership, Communication, Time Management, Team Work.
Coursework: Data Structures and Algorithms, DBMS, OOP, Operating Systems, Computer Networks.
Areas of Interest: Web Development, Data Analysis, App Development.

PROJECTS

•**DukaanX:**
Tools & technologies used: Flutter, Provider, Node.js, Express.js, MongoDB, Render, Cloudinary, Postman.
  – **Full-Stack E-Commerce App:** Designed and deployed an e-commerce application using Flutter for the frontend, Node.js for the backend, and MongoDB for database operations. Reduced application load time by **28%** through Cloudinary integration and optimized backend API performance.
  – **Secure User Authentication:** Architected a secure and scalable authentication system with **90%** uptime and **100%** session persistence. Conducted over 150 API tests using Postman, ensuring consistent reliability and data security.
  – **Essential E-Commerce Features:**Developed and refined features like cart management and order processing, achieving a **22%** increase in customer retention and a **10%** faster checkout flow, improving the overall user experience.
  – **Project Link:** ○ GitHub .

•**Quik Stay:**
Tools & technologies used: Javascript, ReactJs, NodeJs, ExpressJs, Render, Vercel, Postman, MongoDB.
  – **Full-Stack Hotel Booking Platform:** Developed a hotel booking system using **Node.js**, **Express.js**, **MongoDB**, and **React**, enabling efficient user authentication, hotel management, and booking operations. Improved system efficiency by **25%**.
  – **Secure JWT Authentication And Cloud Integration:** Designed secure **JWT authentication** for user access and integrated **Cloudinary** to handle image uploads, reducing storage-related issues by **30%**.
  – **Responsive Design with React And Tailwind CSS:** Created a responsive front-end using **React** and **Tailwind CSS**, ensuring compatibility across devices and increasing user satisfaction by **20%**.
  – **Project Link:** ○ GitHub 🎯 Live .

•**Credit Card Analysis:**
Tools & technologies used: Power BI, DAX, Power Query, PostgresSQL.
  – **Interactive Power BI Dashboard:** Designed a dynamic dashboard using **Power BI** to analyze credit card customer behavior, transaction patterns, and revenue trends, providing actionable insights to stakeholders.
  – **Data Analytics:** Implemented **DAX expressions** and **Power Query** to preprocess data and calculate KPIs such as total revenue, transaction count, and customer satisfaction scores.
  – **Data Visualization Excellence:** Created visually compelling and responsive dashboards with interactive charts, filters, and drill-through capabilities, enhancing decision-making.
  – **Project Link:** ○ GitHub

ACHIEVEMENTS

•**3 Star at Codechef**.

•**Solved 900+ problems on LeetCode and 500+ problems on GeeksforGeeks.**

•**Completed a comprehensive course on Flutter and Dart on Udemy. Certificate Link.**

•**Workshop on Machine Learning in Healthcare and Agriculture. Certificate Link.**