

ALOK PAUL

[</> Portfolio](#) | [✉ alokpaul5584@gmail.com](mailto:alokpaul5584@gmail.com) | [📞 +91 6295247727](tel:+916295247727) [🔄 ProgrammerAlok](#) | [🌐 alokpaul1](https://www.linkedin.com/in/alokpaul1)

Education

Techno International New Town

B.Tech in Information Technology

Relevant Courses: DSA, OOP, OS, DBMS, CN

Expected graduation date: June 2025

CGPA: 8.22/10

Experience

Ebonow

Jul. 2024 - Current

MERN - Full Stack Developer Intern

React.js, TailwindCSS, Node.js, Express.js, MongoDB, Chart.js, AWS, SEO

- Added features to display user, order, sales, and payment data using Chart.js for visualizations.
- Utilized MongoDB Aggregation Pipeline to aggregate and format large datasets, ensuring that structured, accurate data is sent to the frontend.
- Visualized complex data, enabling informed decision-making through actionable insights in a MERN stack project.

Vermillion Tech

Feb. 2024 - Mar. 2024

Full Stack Developer Intern

HTML, CSS, JavaScript, TypeScript, React.js, Node.js, Express.js, Redux, MongoDB

- Responsible for integrating APIs into React App and optimizing API calls.
- Developed APIs and optimized API calls using a caching mechanism.

Achievement

- Over 500+ problems solved on **Leetcode**.
- Secured top **10%** placement out of 500+ in college coding contest, highlighting advanced coding skills and innovative problem-solving techniques in competitive programming scenarios.

Projects

LEARNING APP | [Link](#) *React.js, TailwindCSS, Chart.js, Node.js, Express.js, MongoDB, Razorpay API, JWT, Nodemailer*

- Developed a full-stack web app for course subscriptions and lecture management
- Implemented user authentication, payment processing, and email notifications
- Admins have a dashboard for content management

POKEDEX APP | [Link](#)

React.js, TailwindCSS, PokeAPI

- Developed a Pokémon web app with listings, detailed views, and a search feature.
- Optimized API calls using debouncing.

METRO STATION | [Link](#)

C++, Graph Theory

- Designed a C++ project for metro station management.
- Enabled users to input station data and access route information between stations.
- Features include station list display, route planning, and station connectivity analysis.

Skills

Coding: Data Structures and Algorithms

Web Development: HTML, CSS, JavaScript, TypeScript, React.js, Next.js, TailwindCSS, Chart.js, FramerMotion, Node.js, Redux, Redux-Toolkit, ReactQuery, WebSocket, WebRTC, Express.js, MongoDB, PostgreSQL, Prisma

Tech & Tools: Git, Github Action, Linux, AWS, EC2, CI/CD, Docker, Nginx, MonoRepo, Redis, GraphQL

Hackathons

Smart India Hackathon | [Link](#)

- Secured 1st position among 92 teams in college-level qualification round.
- Developed the frontend and integrated real-time maps for a border security intrusion detection system.
- Enhanced user interface for monitoring and responding to potential intrusions, ensuring effective and efficient border surveillance.

Hack4Bengal 2.0 | [Link](#)

- Developed a DeFi application enabling borrowers to secure loans directly from lenders.
- Implemented smart contracts on the Flow blockchain to facilitate secure, transparent, and efficient transactions.
- Utilized React for the front-end interface, providing a seamless user experience for loan management and interactions between borrowers and lenders.