

# Abhishek Ray

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## EDUCATION

### University of Southern Mississippi

Hattiesburg, MS

*Bachelor of Science in Computer Science*

## EXPERIENCE

### Frontend Engineer

Jan 2024 - May 2024

*CloudVista Solutions*

- Built an interactive D3.js and React dashboard for virtual machine metrics.
- Integrated GraphQL APIs, halving payload sizes and improving responsiveness.
- Upgraded UI to meet WCAG 2.1 AA accessibility standards.

### Junior Frontend Developer

Sep 2023 - Dec 2023

*NepalCode Studio*

- Developed a React booking widget with dynamic filters and Stripe integration.
- Improved web performance by 30% through code-splitting strategies.
- Designed a mobile-first UI that increased user conversions by 15%.

### Software Developer Intern

Jun 2023 - Aug 2023

*Kathmandu TechHub*

- Built Node.js/Express APIs achieving <200ms latency (95th percentile).
- Optimized MongoDB queries, reducing database latency by 35%.
- Wrote Jest unit tests, achieving 85% coverage and reducing regressions by 40%.

## PROJECTS

### SmartSplit App | React, Flask, SQLite

2024

- Built a tool to split post-tax expenses accurately with coupon and gift-card support.
- Deployed on Render and GitHub Pages.

### AVL Flight Booker | C++

2024

- Created a C++ CLI application using AVL Trees for flight seat management.
- Implemented real-time seat availability synchronization.

### Quadratic Solver App | Node.js, Express

2024

- Developed an Express app that solves quadratic equations and logs recent results.

## TECHNICAL SKILLS

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

**Frameworks:** React, .NET MAUI, Flask, Node.js, Express

**Databases:** SQLite, MongoDB

**Developer Tools:** Git, Docker, VS Code, Postman

**Concepts:** OOP, MVC, REST APIs, Data Structures and Algorithms