

MD Ahsab Shiraz

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EDUCATION

Haldia Institute of Technology

B.TECH - COMPUTER SCIENCE ENGINEERING

2020 - 2024 | Cgpa: 8.58

Sadar Alam Memorial

INTERMEDIATE

2018 - 2020 | Aggregate: 73%

Dhanbad Public School Hirak Br

MATRICULATION

2018 | Aggregate: 77%

PROJECTS

MICROSERVICES-BASED FLIGHT BOOKING SYSTEM

NODE.JS, EXPRESS.JS

- Developed a microservices-based flight booking system using Node.js and Express, focusing on creating a scalable and maintainable architecture.
- Led the design and implementation of four key services:
 - Flight Service: Engineered RESTful APIs for managing flight details, including flight schedules, availability, and pricing.
 - Authentication and Authorization Service: Implemented secure user authentication and authorization mechanisms to protect sensitive user data.
 - Reminder Service: Designed and implemented a service to send timely email notifications to users regarding their booked flights, enhancing user experience and engagement.
 - Booking Service: Facilitated seamless booking of flights with real-time notification to the reminder service of new bookings, ensuring smooth user experience throughout the booking process.

TWITTER-LIKE SOCIAL MEDIA BACKEND

NODE.JS, EXPRESS.JS

- Engineered a robust and scalable backend for a Twitter-like social media platform using Node.js and Express.js.
- Implemented core features including user authentication, tweet management (creation, retrieval, update, deletion), real-time updates using WebSockets, hashtag support, and user profile management.
- Utilized best practices in software design and architecture to ensure maintainability, scalability, and security of the backend system.

URL-SHORTNER

NODE.JS, EXPRESS.JS, MONGODB

- Developed a URL shortening service that generates shortened URLs from valid input URLs. The service allows users to easily share and access previously provided URLs by redirecting them to the original long URLs.
- Authentication and Authorization Service: Users are now required to authenticate before accessing the service, ensuring secure usage. Additionally, role-based access control is implemented to restrict certain operations to authorized users only.

SKILLS

Languages: C++, Javascript, HTML, CSS, MySQL

Data Structures and Algorithms: Solved 300+ questions on LeetCode and 400+ overall

Tools/Frameworks: Node.js, Express.js, Git, GitHub, MongoDB

Soft Skills: Quick Learner, Team Work, Adaptability, Management