Aman Pratap Singh

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🔗 Portfolio

Education

Maharshi Dayanand University   Sept 2022 to May 2026

- Computer Science Engineering with specialization in AIML
- **Coursework:** Software Foundations, Web- Development Knowledge, Computer Architecture, Algorithms, DBMS, Computational Theory, Artificial Intelligence

Projects

Twitter Backend   Live Preview ↗

- Used JavaScript, Node/Expess.js, MongoDb
- Twitter Project based on Monolith, It follows a MVC Folder Structure where the separation of concern is taken consider for structuring the Project Logic.
- This is a Backend of Twitter social media with major functionality as of original Twitter and whole Project is converted to ES module so that it could be more verbose with the react or modern python based flask syntax's.
- Made a S3 connection with The AWS for static image collection (single image) per post uploaded by the user.

Airline Management System   Live Preview ↗

- Used JavaScript, Node/Express.js, MySql
- A Micro-Service Based Project where tried to have a different server for specific Services.
- Backend Project where we have tried to build a Airline management system.
- Used RabbitMQ messaging queue for inter-communication between the servers.
- Implemented a high-performance, scalable, and secure REST API with Express.js, providing efficient data retrieval and a robust backend foundation.

Technologies

Languages: C++, JavaScript, SQL, HTML/CSS

Frameworks/Libraries: Node.js, Express.js, React.js, Tailwind

Databases: MongoDB, MySQL

Tools: Git, Linux

Extra Curriculum

Blogs: I write tech tutorial related blogs on medium - aman1-2

Certification: IBM Certificate for the Web Development - certificate