* Week 1 tasks:

Tasks: {

Day 1: Introduction to backend, Node.js architecture, package.json, npm/yarn

Day 2: Modules, exports, require, ES6 imports, async/await basics

Day 3: Express.js basics – routes, middleware, request/response lifecycle

Day 4: Creating REST APIs (GET, POST, PUT, DELETE) with in-memory data

Day 5: Project: Build a simple CRUD Todo API using Express.js

}

Time Taken: 2 days

Technologies: Node.js, express.js.

Rate: 9.5

Description: Have to revise all the topics as I had worked properly on these topics.

* MongoDB and Mongoose:

Practices: {

Performed MongoDB operation through terminal,

Performed CRUD operations through express-mongoose.

}

Time Taken: 1 day

Technologies: Node.js, express.js, Mongoose, MongoDB

Rate: 9.5

Description: Have to revise all the topics as I had worked properly on these topics.

* Book store Demo Backend and integration with Frontend:

Practices: {

Created each APIs that needed for frontend operations.

Integrated With Frontend.

}

Time Taken: 2 days,

Technologies: MongoDB, Express.js, React.js, Node.js

Rate: 8.5

Description: Have created backend and integrated it with frontend but later I had to make code cleaner and optimized one.

* Migration script for mongoDB Data:

Time Taken: Half day

Technology: Mongoose, MongoDB, Node.js

Rate: 9.5

Description: It was easy one so completed quickly.

* Sales Data Tasks:

Tasks: {

Calculate total sales per customer.

Identify top 3 products by revenue.

Generate a report showing monthly sales trend for the last 12 months.

Show orders where total quantity exceeds average order quantity.

}

Time Taken: 1.5 Days

Technologies: MongoDB, Express.js, Node.js

Rate: 8

Description: Have to take little bit help of GPT for the aggregation logic. Though written code myself after revising the logic.

* Aggregation Practices:

Tasks: All possible operations of aggregation on the Product Model.

Time Taken: 1.5 Days

Technologies: MongoDB, Express.js, Node.js

Rate: 9

Description: Had implemented all the operations by myself to practice aggregations and almost did enough practice of aggregation pipeline.

* Mysql and Sequelize:

Tasks: {

Documentation,

CRUD apis

Bookstore backend with Sequelize,

}

Time Taken: 1.5 Days

Technologies: MySQL, Express.js, Node.js, Sequelize

Rate: 8.5

Description: I hadn't worked with sequelize so have to go through documentation thoroughly.

* Sequelize Associations:

Tasks: {

Project Management Task

}

Time Taken: 1 Day

Technologies: MySQL, Express.js, Node.js, Sequelize

Rate: 9

Description: Practiced Associations and had clear idea about how all types of relations works with sequelize.

* Online Course Management System:

Time Taken: 1 Day

Technologies: MySQL, Express.js, Node.js, Sequelize

Rate: 9.5

Description: Had implemented without using help of documentation or ai tool and also tried to keep the code more cleaner.