

# Training Day 2 Report

Date: 27 June 2025

## Topic Covered: Installing Development Tools for MERN Stack

On the second day of MERN stack training, the focus was on setting up the required tools to start building the Notes App. This included installing **Node.js**, **MongoDB** (or MongoDB Atlas), **Visual Studio Code**, and **Postman**.

### Installing Node.js

Node.js is the runtime environment that will allow us to run JavaScript on the server side. It also comes with **npm** (Node Package Manager), which is used to install dependencies for our project.

- Downloaded Node.js from the official website.
- Verified installation with `node -v` and `npm -v`.

### Installing MongoDB or Setting Up MongoDB Atlas

MongoDB is the database we will use to store our notes.

- For local development: Installed MongoDB Community Edition and set up the MongoDB service.
- For cloud storage: Created a MongoDB Atlas account, set up a cluster, added a database user, and configured network access.

### Installing Visual Studio Code

Visual Studio Code (VS Code) will be our main code editor for both backend and frontend development.

- Installed VS Code and explored basic features such as extensions, terminal, and file explorer.

## Installing Postman

Postman will be used to test our API endpoints during backend development.

- Installed Postman and created a workspace for the Notes App API testing.
- Learned how to make GET, POST, PUT, and DELETE requests.

## Outcome of the Day

- Installed all required development tools for the MERN Notes App project.
- Verified that Node.js and MongoDB installations were working correctly.
- Set up Postman for API testing and explored basic usage.