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| Student ID: |  | **23AIML036,40,65** | Student Name: |  | **Arya Metha, Parth Panara,**  **Deval Shah** | | |
| Subject code & Name | : | **AIML302 &**  **Full Stack Development** | Academic Year | | | : | **2025-26** |

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| **Mini-Project** |
| **Aim:-** To develop a full-featured, modern blog platform using the MERN Stack (MongoDB, Express.js, React.js, Node.js) that enables users to create, publish, and manage blog posts with secure authentication, profile management, and an interactive user interface. |
| BlogSpot - Modern MERN Stack Blog Platform  **Introduction**  BlogSpot is a comprehensive web-based blogging platform that provides users with a complete blogging experience. The application allows users to register accounts, create and publish blog posts, bookmark favorite content, and manage their profiles with custom avatars. Built using the MERN stack, the platform emphasizes security, responsiveness, and user experience.  The platform features JWT-based authentication with bcrypt password hashing, local image storage for profile pictures, a modern dark/light theme toggle, and a fully responsive design that works seamlessly across desktop, tablet, and mobile devices.  **The Client (Frontend)**  - React 19.1.1 - Core UI framework  - React Router DOM 7.8.2 - Client-side routing  - Axios 1.12.2 - HTTP client for API requests  - Vite 7.1.2 - Build tool and development server  - Custom CSS with CSS Variables - Styling system  **The Server (Backend)**  - Node.js 18+ - Runtime environment  - Express.js 5.1.0 - Web framework  - MongoDB with Mongoose 8.18.1 - Database  - JWT (jsonwebtoken 9.0.2) - Authentication tokens  - Bcrypt 6.0.0 - Password hashing  - Multer 2.0.2 - File upload handling  - CORS 2.8.5 - Cross-origin resource sharing |
| **Code** |
| **GitHub Repository Link:** [**LINK**](https://github.com/aryamehta0302/BLOGSPOT) |
| **Output (Screenshots)** |
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