

Beginner To Advance Roadmap

WEB

DEVELOPMENT



Introduction to **WEB DEVELOPMENT**

- *Understanding the Basic*
- *HTML , CSS, JavaScript*

FRONTEND DEVELOPMENT

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- HTML and CSS Mastery
 - *Semantic HTML*
 - *CSS Flexbox and Grid*
 - *Responsive Design*
- JavaScript Wizardry
 - *ES6+ Features*
 - *DOM Manipulation*
 - *AJAX and Fetch API*

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MASTERING FRONTEND FRAMEWORKS

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- React.js -The Powerhouse

- *Components and Props*
- *State and Lifecycle*
- *Hooks Magic*

- Vue.js -The Progressive Framework

- *Vue Components*
- *Vue Router*
- *Vuex for State Management*

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BACKEND DEVELOPMENT

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- Node.js -The JavaScript Runtime
 - *Express.js Basic*
 - *RESTful API Design*
 - *Middleware Mastery*
- Database and ORM
 - *MongoDB and Mongoose*
 - *SQL and Sequelize*

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FULL - STACK DEVELOPMENT

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- MERN Stack - Ultimate Combo

- *MongoDB, Express.js, React.js, Node.js*
- *Building a Full-Stack Application*

- MEVN Stack - The Vue.js Alternative

- *MongoDB, Express.js, Vue.js, Node.js*

VERSION CONTROL AND COLLABORATION

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- Git and GitHub Basic
 - *Branching and Merging*
 - *Collaborative Workflows*
- Docker - Containerization Magic
 - *Container Basic*
 - *Docker Compose for Multi - Container Apps*

ADVANCED CONCEPTS AND TOOLS

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- GraphQL - The API Query Language
 - *GraphQL Basics*
 - *Integrating GraphQL in Applications*
- Serverless Architecture
 - *AWS Lambda, Azure Functions*
 - *Building Serverless Applications*

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CONTINUOUS INTEGRATION AND DEPLOYMENT

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- CI/CD Pipelines With Jenkins or GitHub Actions
 - *Automated Testing*
 - *Continuous Development to Cloud Platforms*

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