

# ABINESHAN M

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## Objective

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Aspiring Full Stack Developer eager to work on end-to-end web development, from user interfaces to server-side logic, and contribute to building high-quality, user-centric applications in a fast-paced organization.

## Education

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| • <b>Sree Sastha Institute of Engineering and Technology, Chennai</b><br>B.E. Electronics and Communication Engineering<br>CGPA: 7.6 | 2021 - 2025 |
| • <b>Don Bosco Higher Secondary School, Sagayathottam</b><br>HSC<br>81%                                                              | 2020 - 2021 |
| • <b>Don Bosco Higher Secondary School, Sagayathottam</b><br>SSLC<br>77%                                                             | 2018 - 2019 |

## Projects

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- **Interactive Story Generator | FastAPI, React, OpenAI**

Tech Stack: FastAPI, Python, LangChain, OpenAI API, PostgreSQL, SQLAlchemy, React.js, Axios, REST APIs

- Developed an AI-powered full-stack application that generates interactive "choose-your-own-adventure" stories based on user themes.
- Built a FastAPI backend with asynchronous job processing, REST APIs, and PostgreSQL using SQLAlchemy.
- Created a React.js frontend for dynamic story navigation, real-time status polling, and user interaction.

- **Stock Price Prediction Web Application | React, Django, ML**

Tech Stack: React.js, Django REST Framework, JWT Authentication, Python, TensorFlow/Keras, yFinance, PostgreSQL

- Built a full-stack React + Django REST application with JWT authentication and protected routes.
- Implemented LSTM-based stock price prediction using yFinance data with performance metrics (MSE, RMSE, R<sup>2</sup>).
- Visualized stock trends, moving averages, and predictions through dynamically generated plots.

## Certification

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- LINUX UNHATCHED - CISCO NETWORKING ACADEMY

## Technical Skills

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- Frontend Development: HTML5, CSS3, JavaScript (ES6+), React.js, Bootstrap, Tailwind CSS, Responsive Web Design, Cross-Browser Compatibility
- Backend Development: Node.js, Express.js, Python, Django, Django REST Framework (DRF), FastAPI, RESTful API Development, Core Java (OOP concepts)
- Database: MySQL & PostgreSQL (Relational Database), MongoDB (NoSQL) , CRUD Operations, Basic Query Optimization
- ML & Data Science Libraries: NumPy, Pandas, Scikit-learn, Matplotlib, TensorFlow / PyTorch (Fundamentals)
- Developer Tools & Platforms: Git, GitHub (Version Control), Postman (API Testing), VS Code, Chrome DevTools, Jupyter Notebook, Google Colab, Linux (Basic Commands)