


# ABINESHAN M

Thakkolam, Arakkonam Taluk, Ranipet District

7305152548 | abineshan356@gmail.com

 <https://portfolio-abinez0.netlify.app/>

 [www.linkedin.com/in/abinez0](https://www.linkedin.com/in/abinez0)

## 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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- Sree Sastha Institute of Engineering and Technology, Chennai** 2021 - 2025  
B.E. Electronics and Communication Engineering  
CGPA: 7.6
- Don Bosco Higher Secondary School, Sagayathottam** 2020 - 2021  
HSC  
81%
- Don Bosco Higher Secondary School, Sagayathottam** 2018 - 2019  
SSLC  
77%

## 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)