

# Vinay Shree Pandey

📞 7000685261 ✉️ [vinaypandey0801@gmail.com](mailto:vinaypandey0801@gmail.com) [🌐 LinkedIn](#) [🐙 GitHub](#)

## Technical Skills

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**Front-End Development:** HTML, CSS, JavaScript, React.js, Redux, Tailwind CSS, Next.js, Webpack, Responsive Design

**Back-End Development:** RESTful APIs, Integration with Backend Services

**Other Skills:** Git, Scrum, SQL, Debugging, Dependency Management, Collaboration, Problem-Solving

## Experience/Projects

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### Nav Tech Electronics Pvt Ltd

October 2023 – February 2024

*Trainee Software Engineer*

*Hyderabad, India*

- Collected and processed over 10,000 data points from work sites using **NREL calculator** and **Open Weather API**, improving data accuracy by 15%.
- Enhanced **machine learning model** accuracy by 10% using **hyperparameter tuning** and achieved a 30% reduction in model load times with Pickle.
- Increased model reliability by 12% through comparative analysis and performance optimization of various machine learning models.

### EduPhoenix Solutions Pvt Ltd

September 2022 – November 2022

*Web Developer Intern*

*Bengaluru, India*

- Developed and maintained responsive web applications using **HTML, CSS, JavaScript, and React.js**
- Implemented modern design **principles and best practices**, reducing page load times by 30% and ensuring compatibility across multiple browsers and devices.
- Managed project timelines and deliverables, consistently completing tasks ahead of schedule and receiving positive feedback from supervisors.

## Projects

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### E-commerce Platform

- Build a fully functional e-commerce website featuring product listings, a **shopping cart**, and payment gateway integration.
- Execute user **authentication** using **Firebase**, ensuring secure login and logout functionalities.
- Created a dynamic home page displaying various products, with the ability to add items to the cart and purchase them via **Stripe** payment gateway. [Link](#)

### Expense Tracker

- Developed a expense tracking application with **React.js** for the frontend, styled with **Tailwind CSS**, Utilized **RESTful APIs** (GET, POST, PUT, DELETE) for seamless data management.
- Implemented features for **adding, editing, viewing, and deleting** expenses, ensuring a responsive user interface and efficient CRUD operations.
- Tested the RESTful APIs using **Postman**, successfully integrating frontend and API functionalities, and enhancing application performance through responsive design and robust API integration. [Link](#)

### Mail Box

- Build a comprehensive email application using **React.js**, styled with **Tailwind CSS**, featuring functionalities for composing emails, viewing unread messages, and tracking word count with a read counter.
- Perform **CRUD** operations (GET, POST, DELETE, PATCH) for managing emails, and utilized Redux for state management, ensuring seamless user interactions and efficient data handling.
- **Hosted on Vercel**, Enhanced user experience through a responsive interface and robust email management features, demonstrating proficiency in frontend development and modern JavaScript libraries. [Link](#)

## Education

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### Atria Institute of Technology

Aug 2019 – May 2023

**Bachelor of Engineering in Computer** | CGPA: 8.63

*Bangalore, India*

## Awards & Achievements

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**Publication:** An Intelligent Health Diagnosis System Based On A Secure Data Transfer Through Li-Fi Technology

**March 2022**

- Demonstrated advanced knowledge of Li-Fi technology for secure data transfer, significantly enhancing diagnostic accuracy by 20%.
- Utilized **Power BI** for detailed data visualization, contributing to more accurate and insightful health diagnoses. [Link](#)