VISHNUKARTHIK S

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Summary

Product-focused Full-Stack Engineer with experience building internal platforms used daily by 100+ users. Proven at translating operational and finance workflows into scalable systems that reduce manual effort, improve compliance, and enable real-time decision-making. Strong in system design, API architecture, and performance-driven frontend development, with exposure to data visualization and analytics for management reporting.

Education

Anna University **2025 – 2027**
Master of Science (Computer Science) *(Expected 2027)*

Ramkrishna Mission - Vivekananda College **2021 – 2024**
Bachelor of Science (Computer Science) *CGPA: 7.4/10*

Santhome Higher Secondary School **2020 – 2021**
Higher Secondary Education *CGPA: 7.7/10*

Experience

Shomli Interiors **2024 – Present**
Product Engineer (Full Stack) *Chennai*

- Built and deployed an **end-to-end HR, operations, and finance workflow platform** (HRM, geo-attendance, purchase requests, AR dashboard, estimation & execution tracking), **used daily by 100+ employees, saving 20+ hours/week** and improving cross-team decision-making.
- Reduced **proxy attendance incidents by 80%** by deploying a **geo-based attendance system with location validation**, improving on-site compliance across active sites.
- Built an **end-to-end Purchase Request workflow** enabling operations teams to raise material requests and automatically notify accounts via email, streamlining Purchase Order creation in Tally and reducing manual coordination.
- Developed an AR (Accounts Receivable) Dashboard providing real-time visibility into financial and operational metrics for management.

Nelly Software **2024**
Software Developer Intern *Chennai*

- Contributed to frontend development using HTML, CSS, and JavaScript, improving UI responsiveness and cross-browser compatibility.
- Collaborated with senior developers on debugging, testing, and client-facing feature delivery.

Projects

PDF Overlay Tools Suite | *Streamlit, Python, PyPDF2, ReportLab, Pillow|Link*

- Designed and built a multi-tool PDF processing application enabling image overlays, image-to-PDF conversion, and PDF merging through a unified web interface.
- Implemented precise overlay positioning, background watermarking, batch image conversion, and bookmark-enabled PDF merging.
- Built a modular architecture supporting multiple processing modes, page-range selection, and large file handling.

Stock Price Prediction & Analytics Platform | *Python, Streamlit, scikit-learn, Pandas, Plotly|Link*

- Built an interactive web application to analyze and forecast Indian stock prices using multiple regression models, including Linear, Ridge, Lasso, ElasticNet, and Random Forest.
- Implemented end-to-end time-series preprocessing with technical indicators (RSI, MACD, Bollinger Bands, moving averages) and automated lag-based feature engineering.
- Enabled multi-day price forecasting (up to 30 days) with per-day performance metrics (RMSE, MAE, R^2, MAPE) for model comparison.

Technical Skills

Frontend: Vue.js, React.js, Nuxt.js, Next.js, HTML5, CSS3, JavaScript, Bootstrap, Tailwind CSS
Backend: Node.js, REST APIs, WebSockets
Databases: MongoDB, MySQL, PostgreSQL
Programming: JavaScript (ES6+), Python, Java
Tools: Git, GitHub
Data: Excel, Power BI, Tableau