

Vaibhav Kataruka

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EDUCATION

SRM Institute of Science and Technology

Bachelor of Technology in Computer Science and Engineering — CGPA: 8.65

June 2022 – May 2026

Chennai, India

PACE Institute Of Engineering And Medical (HSC)

Higher Secondary Education (Class 12) — Percentage: 67.83%

April 2020 – June 2022

Mumbai, India

Thakur Public School(ICSE)

Secondary Education (Class 10) — Percentage: 83.7%

June 2020

Mumbai, India

EXPERIENCE

PromoDome Digital / Front End Developer

May 2024 – September 2024

Mumbai, Maharashtra

- Fashioned five fully responsive landing pages with HTML, CSS, and JavaScript, enhancing site navigation and achieving a 90% user satisfaction score.
- Overhauled 10 outdated UI components within two months, resulting in a 35% reduction in user-reported bugs and improved overall application stability and performance.
- Converted 15+ detailed Figma designs into pixel-perfect, cross-platform web pages.
- Refactored legacy JavaScript code in 15 modules, reducing average code complexity by 30% and improving performance as measured by Lighthouse scores.
- Initiated a new branching strategy across 11+ code repositories, which decreased merge conflicts by 25% and boosted team productivity by over 10 hours per week.

PROJECTS

Stock Market Real-Time Data Analysis — Python, Apache Kafka, AWS

- Engineered a real-time stock data pipeline utilizing Apache Kafka, Spark Streaming, and AWS services, achieving sub-second analytics on live market feeds and enhanced trading efficiencies.
- Spearheaded and teamed the development of an interactive investment dashboard featuring real-time anomaly detection and trend analysis, empowering data-driven decisions and accelerating insight generation speed by 25%

CareSync: Seamless Medical Record Connectivity — React, Tailwind, JavaScript

- Collaborated and coordinated with a cross-functional team to build an intuitive patient interface using React.js and Tailwind CSS, enabling secure access to records and reducing processing time by 20 hours weekly.
- Delivered 6 reusable UI components, accelerating feature releases with minimal training for other developers.

QA SYSTEM — Python, Gemini LLM, Streamlit

- Implemented a scalable QA system using LlamaIndex for document indexing, Gemini Embeddings for semantic search, and GeminiPro for accurate, context-aware answer generation, saving 10 weekly engineering hours.
- Implemented multi-source data ingestion from PDFs, websites and text files, leading to a 25% improvement in the precision of search results and faster data retrieval for end-users.

TECHNICAL SKILLS

Programming Languages: C++, Python, C, TypeScript, JavaScript, SQL, HTML, CSS, Basic DSA, OOPS

Frameworks/Libraries: React.js, Vue.js, Bootstrap, Tailwind CSS, Shadcn

Data Engineering/Cloud: AWS EC2, AWS S3, AWS CloudWatch, AWS Lambda, AWS Glue, AWS Athena, MySQL, Apache Kafka, PySpark, Apache Airflow

Other Skills: Agile, Scrum, Git, GitHub, VS Code

CERTIFICATIONS

Completed **Generative AI: Prompt Engineering Basics**

Completed **Introduction to Front End Development**

Completed **Amazon Web Services**

Completed **NPTEL:Data Mining**