

Mayank Thacker

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SKILLS

- Web Technologies:** React.js, Next.js, Angular, Node.js, .NET Core, .NET MVC, Django,
- Programming Languages:** Python, TypeScript, JavaScript, C++, Java, Ruby
- Cloud & DevOps:** Oracle OCI, Amazon AWS, Microsoft Azure, Digital Ocean, Docker, Jenkins, GitLab CI, Kubernetes
- Data Science & Machine Learning:** Python (Pandas, NumPy, Scikit-learn), SQL, TensorFlow, PyTorch
- Databases:** SQL, MySQL, MongoDB, PostgreSQL, NoSQL
- Soft Skills:** Stakeholder Management, Strategic Thinking, Cross-functional Collaboration, SOP Writing, Agile methodology

EXPERIENCE

Savanti Investments

Miami, FL

Software Engineer

Sept 2024 - Present

- Engineered Real-Time Stock Pipelines (Azure, Python, MongoDB): Built low-latency pipelines using Python and Azure, reducing **data ingestion delays from 4 minutes to <60 seconds** via parallel execution. Enabled real-time algorithmic trading decisions.
- Developed **ETL processes with Spark and R** to clean, transform, and structure financial data from multiple APIs. Improved data quality for analysis.
- Automated Market Data Extraction (AWS Lambda, Python): Deployed Lambda functions to aggregate data from financial APIs (Stock Screener), processing **1M+** daily data points. Impact: Eliminated manual effort for strategy updates.
- AI-Powered Stock Prediction Model (TensorFlow, Tableau): **Trained real-time models** to identify high-performing stocks, visualized via Tableau dashboards.

UAHT - United Against Human Trafficking

Houston, TX

Software Engineer Intern

Jun 2024 - Aug 2024

- Designed and optimized data pipelines to streamline website performance analysis, improving accessibility and decision-making.
- Developed a structured data migration plan, ensuring efficient handling of digital assets and enhancing system scalability.
- Conducted a **comprehensive website audit**, implementing **SEO and UI/UX enhancements** to boost engagement and accessibility.

Warble Solutions

GJ, India

Software Engineer

Aug 2021 - Aug 2023

- Designed and developed scalable web applications using React.js, Next.js, and Node.js, improving site load times and responsiveness.
- Led the development of an e-commerce platform, optimizing checkout flows and payment integrations with Stripe & PayPal.
- Implemented CI/CD pipelines with Docker & AWS, reducing deployment time and enhancing development workflow.
- Built AI-driven analytics dashboards to track customer behavior & engagement, improving marketing ROI by 18%.

Rhad Agency

GJ, India

Software Engineering Intern

Jan 2021 - Jul 2021

- Optimized UI components for data-intensive dashboards, improving page load speeds.
- Enhanced API response times by refactoring backend systems, supporting faster data retrieval for client applications.

PROJECTS

E-Commerce Platform Development | React.js, Node.js, Stripe API

- Developed a custom e-commerce website with dynamic product listings, user authentication, and a seamless checkout experience.
- Integrated Stripe API for secure payments, improving transaction success rates and reducing cart abandonment.

Real-Time Stock Data Analytics | Python, REST APIs & MongoDB

- Engineered a real-time data ingestion pipeline** using **Python, MongoDB, and REST APIs** to collect and analyze financial data from stock market screeners.
- Designed predictive models for financial trend analysis**, providing insights that enhanced decision-making and algorithmic trading strategies.

EDUCATION

M.S - Computer Science - California State University, LB (GPA: **3.5/4.00**)

Expected: **May 2025**

Courses: Adv. Analysis of Algorithms, Adv. Software Engineering, Adv. AI, Adv. Information Security and Machine Learning

B.E - Information Technology - Gujarat Technological University (GPA: **4.00/4.00**)

2017 - 2021

Courses: Data Structures, Analysis and Design of Algorithms, Distributed DBMS, Software Engineering and AI Fundamentals.

ACCOMPLISHMENTS

- Warble Solutions Growth:** Warble Solutions and scaled it to 20+ clients, achieving 200% annual revenue growth and a 95% client retention rate.
- Research Paper: "Digitalize Society Management Systems with Artificial Intelligence Technologies" - Science Direct