

Mayank Maruthi | Resume

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About Me:

I am an undergraduate student at Michigan State University with a strong interest in finance, trading, and technology. I am passionate about applying analytical, statistical, and programming skills to real-world problems, particularly in financial markets and data-driven decision-making. I enjoy continuous learning and aim to build impactful solutions while growing professionally in fast-paced, results-oriented environments.

Experience:

Jackson National Life | Strategic Support Associate -

Provided operational and financial support through data entry, document processing, reporting, and budget tracking. Assisted with financial planning activities, compliance checks, and process improvement initiatives.

Stanford University | Medical Statistics I, II & III | R Programming -

Applied statistical methods to real-world medical and healthcare datasets using R. Conducted data cleaning, exploratory data analysis, hypothesis testing, and regression modeling. Worked with advanced biostatistical concepts including logistic regression, multivariate analysis, and survival models. Created data visualizations and technical reports to communicate evidence-based insights clearly and ethically.

Istart Valley Entrepreneurship | Business Program & Project StartUps

Completed an entrepreneurship and startup development program focused on innovation, strategy, and execution. Developed an original startup concept, *Spotlight*, integrating game discovery, monetization, and digital partnerships. Conducted market research, competitive analysis, and business modeling. Collaborated with mentors and peers to create a product roadmap, pitch deck, and monetization strategy. Earned Silver Medal for course excellence and Gold Medal for startup concept development.

Computer Science Internship at Michigan State | Ford Future

Participated in hands-on engineering workshops, labs, and project simulations across multiple disciplines.

Applied design thinking, coding, and analytical problem-solving to real-world engineering challenges.

Collaborated in team-based projects and presented technical solutions to peers and faculty. Strengthened critical thinking, adaptability, and professional communication skills.

Michigan Technological University | Ford Program

Built foundational programming skills through block-based coding projects. Designed, tested, and debugged interactive programs to develop computational thinking. Gained exposure to programming logic, algorithmic flow, and problem-solving techniques through guided mentorship.

Ethnus Consultancy Services | Web Developer Intern

Developed a responsive registration website using HTML, CSS, JavaScript, PHP, and MySQL. Implemented secure authentication, form validation, and an admin dashboard for managing user data. Improved candidate onboarding efficiency through a streamlined, database-driven web solution.

Canton Soccer | Soccer Coach

Coached youth players (ages 8–13), focusing on skill development, teamwork, and discipline. Designed structured, age-appropriate training sessions and game strategies. Fostered confidence, communication, and a positive team environment through mentorship and leadership.

Skills:

Technical & Programming: Python | Java | C++ | R | Scratch | HTML | CSS | JavaScript | Web Development

Data & Analytics: Data Entry | Reporting & Analysis | Statistical Data Analysis | Statistical Research | Medical Statistics | Market Research

Finance & Business: Finance | Financial Literacy | Business Fundamentals | Sales | Product Design | Pitch Development

Engineering & STEM: Computer Science | Computer Engineering | Engineering | STEM | Automotive

Operations & Process: Process Improvement | Registration Systems | Compliance & Documentation

Professional Skills: Communication | Team Management | Critical Thinking | Problem Solving

Domain Knowledge: Medical Terminology

Trading: Day Trading | Scalping | Swing Trading | Price Action & Chart Patterns | Volume Analysis | Risk-Reward Optimization | Position Sizing | Trade Execution | Stop-Loss & Take-Profit Strategy | Market Structure | Strategy Backtesting | Performance Review | Trade Journaling | Market Psychology | Discipline & Emotional Control

Marketing: Market Research | Competitive Analysis | Digital Marketing | Brand Positioning | Content Strategy | Customer Targeting | User Engagement | Product Marketing | Campaign Planning | Analytics & Performance Tracking

Sales: Lead Generation | Customer Outreach | Sales Communication | Needs Assessment | Relationship Management | Negotiation | Value Proposition Development | Client Follow-Ups | Closing Fundamentals | CRM Awareness

Business: Business Strategy | Entrepreneurship | Startup Development | Business Modeling | Financial Literacy | Product Design | Pitch Development | Market Validation | Cross-Functional Collaboration | Process Improvement

Projects:

Mayank Maruthi Resume | Website [[Link](#)]: This personal resume website highlights my journey as a Computer Science student at Michigan State University with a strong focus on finance, trading, and technology. It showcases my technical skills in programming and data analytics, hands-on experience in financial operations and entrepreneurship, and projects ranging from financial tools like an S&P 500 Screener and Investing Calculator to web development platforms and businesses. The site reflects my ability to combine analytical thinking, business strategy, and technical execution while presenting my work, leadership experience, and career goals in a clean, professional, and portfolio-ready format.

Authentic Party Cloud | Business [[Link](#)]: Authentic Party Cloud is a full-service event décor and celebration business offering customizable packages ranging from balloon arches and centerpieces to premium multi-zone designs for birthdays, baby showers, corporate events, and more;

Authentic Party Cloud | Business [[Instagram](#) | [Facebook](#)]: Marketing Head, I manage the website and social media presence, develop digital marketing strategy, and drive brand visibility, customer engagement, and client acquisition through consistent, photo-ready content and promotional outreach.

Registration | Website Ethnus [[Link](#)]: Ethnus Registration Site is a frontend-only registration and login prototype that simulates a real account creation flow for an education/training platform, guiding users through role selection (student or working professional), track choice (Cloud, Full Stack, Cyber Security, Data/AI), and experience level before confirming terms and proceeding with verification and account setup, showcasing clean UI structure, form handling, and multi-step onboarding design in a portfolio-ready demo.

Game Emulator [[Link](#)]: Game Emulator is a lightweight, browser-based game hub that brings multiple mini-games into one simple interface, letting users quickly launch and play titles like Block Connect, Maze Game, and Tic Tac Toe from a single landing page, showcasing front-end development skills in building interactive JavaScript games with clean navigation, responsive gameplay, and a cohesive user experience.

Mac V.S Windows Research [[Link](#)]: A comparative research project that evaluates the strengths, weaknesses, and key differences between Apple's macOS and Microsoft Windows operating systems across usability, performance, ecosystem integration, security, software compatibility, and user experience, designed to help readers make an informed choice between the two platforms based on technical analysis and practical considerations.

S&P 500 Screener [[Link](#)]: This is a web-based tool that helps users analyze and filter financial instruments by key fundamentals and performance metrics, allowing investors to quickly identify stocks or assets that meet specific criteria such as valuation, growth, profitability, or other customizable filters, making it easier to evaluate investment opportunities and make data-driven decisions.

Investing Calculator [[Link](#)]: This is a web-based personal finance calculator that helps users estimate and compare financial outcomes across investing, retirement, tax-advantaged accounts, debt payoff, emergency funds, and education savings by adjusting contributions, time horizons, and assumptions to instantly see how money grows or declines over time, making long-term financial planning more interactive, intuitive, and accessible for everyday use.

Drop-shipping | Gym | Vegetable cutters | Car Vacuum: Built and operated an independent e-commerce venture leveraging dropshipping and affiliate marketing models across gym equipment, kitchen tools, and automotive accessories, product validation, digital marketing execution, pricing strategy, and conversion optimization, demonstrating hands-on entrepreneurial experience in identifying market demand, scaling revenue with minimal capital risk, and managing end-to-end business operations.

Pre Owned Cars: Built and operated a small pre-owned car resale venture with my father, sourcing vehicles, managing detailing and repair work, and reselling them at a profit by improving vehicle condition, presentation, and market value, gaining hands-on experience in pricing, negotiation, cost control, and customer-facing sales while learning how operational improvements directly impact margins and resale performance.

Education:

College | Michigan State University — Major: Computer Science | Minor: Business, Entrepreneurship & Innovation.
High School | Canton High School (P-CEP)
