

J ANDREA

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CAREER OBJECTIVE

I am a highly motivated and hardworking individual, looking forward to a role where I can apply my analytics, AI, and programming skills to solve real-world business and financial challenges. I aim to contribute to NASDAQ's data-driven innovation through scalable, intelligent solutions and emerging technologies.

EDUCATION

MOUNT CARMEL COLLEGE, BENGALURU

MSc. Computer Science (Data science specialization)

Current Aggregate - 85.72%

August 2024 - May 2026

MOUNT CARMEL COLLEGE, BENGALURU

Bachelor of Computer Applications (BCA)

Percentage Aggregate - 74%

August 2021 - May 2024

INTERNSHIP

BLACKSOF

REVIEW INTERN

March 2023 - June 2023

- Edited various educational videos provided by the client from the field of medicine, business, history, technology and science.
- Proofread the edited transcription content.
- Worked on captioning the entire video with at most accuracy.

BLOCKSEBLOCK

BLOCKCHAIN DEVELOPER INTERN

June 2025 – July 2025

- Built decentralized applications (DApps) using Rust and React on the Internet Computer Protocol (ICP).
- Developed blockchain features for content delivery, user authentication, collaboration, and royalty management.
- Deployed smart contracts, managed canisters with DFX, and integrated wallets like Plug and Internet Identity.

VAULTOFCODES

AI & PROMPT ENGINEERING INTERN

July 2025

- Designed, tested, and optimized AI prompts using GPT models (zero-shot, few-shot, and chain-of-thought).
- Built a full-stack AI assistant web application using Python, Flask, and OpenAI API.
- Created structured content workflows, including summarization, creative text generation, and output evaluation.

AREAS OF EXPERTISE

- **Programming Languages:** Python, Java, SQL, Rust (basics), NoSQL (basics)
- **Web Development:** HTML, CSS, JavaScript, PHP, ASP.NET, React (basics)
- **AI & Data Science:** Machine Learning, AI Prompt Engineering, Data Analysis, Data Warehousing & Mining, Big Data Analytics
- **Blockchain:** DApps development, ICP canister management, Smart Contracts
- **Tools & Platforms:** Git, Flask, OpenAI API, Pandas, NumPy, IBM Cognos, Excel, PowerPoint
- **Designing:** Canva, Adobe Photoshop/Illustrator (basics)
- **Soft Skills:** Communication, Analytical Thinking, Problem Solving, Presentation, Collaboration

ACADEMIC PROJECTS

PROJECT 1: JOB SEARCH WEBSITE

Developed a job portal using HTML, CSS, Bootstrap, JavaScript, and jQuery to connect employers with job seekers.

PROJECT 2: AI CHATBOT FOR AN EDUCATIONAL WEBSITE

Built a custom AI chatbot using Python libraries and JavaScript to enhance user navigation.

PROJECT 3: IMAGE STEGANOGRAPHY

Developed a secure Flask and OpenCV web application to embed and extract text within digital images.

PROJECT 4: ON-CHAIN MUSIC COLLABORATION STUDIO

Built a decentralized music collaboration platform on the Internet Computer (ICP) enabling track uploads, collaboration, and blockchain-based ownership.

PROJECT 5: AI ASSISTANT "MARTIA"

Developed a full-fledged AI web assistant using Python, Flask, and OpenAI APIs, capable of answering queries, summarizing text, and generating creative content.

CERTIFICATIONS

MOUNT CARMEL COLLEGE & FRAMEBOXX 2.0

Workshop on Design Principles and Colour Theory.
(August 2025)

NPTEL ONLINE CERTIFICATION

Privacy and Security in Online Social Media.
(January - April 2025) - 83% (Top Topper 2%)

MOUNT CARMEL COLLEGE

Workshop on Data Analytics using IBM Cognos.
(August 2023)

MOUNT CARMEL COLLEGE

International Conference on Futuristic Computing Trends & Challenges.
(February 2022)