

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 skills in software development, data analysis, and problem-solving. My goal is to contribute to building scalable solutions while enhancing my expertise in programming, analytics, 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)
- **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, IBM Cognos, Excel, PowerPoint
- **Designing:** Canva, Adobe Photoshop/Illustrator (basics)
- **Databases:** SQL, NoSQL (basics)

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)