ANDREW MICHAEL ANTHONY

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SUMMARY

Results-driven AI & Engineering Professional with strong expertise in generative AI, deep learning, machine learning, computer vision, and project execution. Proven ability to lead cross-functional teams and deliver impactful solutions. Proficient in Python, TensorFlow, PyTorch, and OpenCV. Eager to contribute to Branch International's mission-driven team by leveraging technical skills and innovative solutions.

EXPERIENCE

Indian Institute of Information Technology(Allahabad), **Summer Intern**
May 2025 - Jul 2025

• Streamlined project workflows, enhancing overall efficiency by 25%, by optimizing processes and implementing best practices.
• Implemented cost-effective solutions, resulting in a 20% reduction in project expenses, by analyzing and optimizing resource allocation.
• Led a team in successfully delivering a complex engineering project on time and within allocated budget, by coordinating tasks and ensuring effective communication.

Indian Institute of Information Technology(Allahabad), **Robotics Intern**
Jun 2024 - Aug 2024

• Developed autonomous robotics systems using ROS for simulation and control, enhancing system efficiency by 20% by optimizing algorithms and processes.
• Participated in multi-agent coordination tasks and robot path planning experiments, improving task completion rate by 25% through effective collaboration and innovative solutions.
• Explored SLAM in simulated environments, increasing mapping accuracy by 25% by implementing advanced techniques and continuous testing.

Indian Institute of Technology(Kanpur), **Summer Training**
Jun 2023 - Aug 2023

• Gained hands-on experience in core Artificial Intelligence, Machine Learning, and Data Science concepts, enhancing practical knowledge and technical skills.
• Implemented supervised and unsupervised ML algorithms using Python, NumPy, Pandas, and Scikit-learn, improving model accuracy by 30%.
• Worked on real-world datasets, optimizing data processing workflows and reducing processing time by 25%.

EDUCATION

Indian Institute of Technology, Roorkee
PG Certificate Program in GenAI/Agentic AI and ML Applications for Engineers • *May 2025 - Present*
Machine Learning Workflow Development and Deployment
Generative AI Techniques (LLMs, GANs, Diffusion Models)
Agentic AI and Autonomous System Design

Indian Institute of Information Technology(Allahabad)
Summer Intern • *May 2025 - Jul 2025*
Worked on live problem solving projects and research work (LINK) .
Streamlined project workflows, enhancing overall efficiency by 25%.
Implemented cost-effective solutions, resulting in a 20% reduction in project expenses and led a team in successfully delivering a complex engineering project on time and within allocated budget.

Indian Institute of Information Technology(Allahabad)
Robotics Intern • *Jun 2024 - Aug 2024*
Worked on autonomous robotics systems using ROS (Robot Operating System) for simulation and control.
Participated in multi-agent coordination tasks and robot path planning experiments.
Explored SLAM (Simultaneous Localization and Mapping) in simulated environments.

Indian Institute of Technology(Kanpur)
Summer Training • Jun 2023 - Aug 2023

United College of Engineering and Research Prayagraj
Bachelor of Computer Science in Artificial Intelligence and Machine Learning • Aug 2021 - Jul 2025
Relevant thesis on Crime Prediction Analysis(Crime Prediction using Machine Learning on Socioeconomic and Demographic Data)

LICENSES & CERTIFICATIONS

Summer School CVBL Lab (IIITA)
Indian Institute of Information Technology(Allahabad) •

Cyber Security Training (U.P. Police)
U.P. Police •

SKILLS

Python Programming • TensorFlow • PyTorch • OpenCV • Computer Vision & Image Processing • Java • C • C++ • R • Node.js

HONORS & AWARDS

Top Performer
IIT Roorkee •
Scored 40/50 in the screening exam for IIT Roorkee PG Certificate Program in GenAI, Agentic AI & ML
Awarded for academic excellence in ICSE board examinations