Andrew Anil George

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EDUCATION

New Jersey Institute of Technology   Newark, NJ
Bachelor of Science in Computer Science   *Expected May 2026*

TECHNICAL SKILLS

Frontend: React, JavaScript, TypeScript
Backend: Python, Node.js, Java, RESTful APIs, FastAPI, Django
DevOps & Tools: AWS, Docker, Git, Linux, CI/CD pipelines, Jest, Google Test
Data & ML: NumPy, Pandas, scikit-learn, PyTorch

EXPERIENCE

Software Engineering Co-op   January 2025 – May 2025
Honeywell   *Mason, OH*

- Engineered a .NET Windows application to convert legacy BOSS shared memory files into structured XML for MC4, improving system reliability and modernization efforts.
- Designed C# parsers and configuration driven XML templates, reducing implementation time by 40 percent and labor costs by 60 percent.
- Collaborated across Agile teams to integrate reusable logic components and support scalable production deployments.

NASA COMET Software Engineering Intern   June 2024 – August 2024
Jacobs   *Merritt Island, FL*

- Developed a multithreaded C++ interface to parallelize PLC hardware operations, improving load and unload times by over 80 percent in mission critical systems.
- Implemented Google Test unit suites and strengthened version control workflows using AccuRev.
- Applied asynchronous and concurrent programming techniques to optimize real time, fault tolerant Artemis simulation modules.

Student Technician, Unified Communications & Networking   September 2022 – January 2024
New Jersey Institute of Technology   *Newark, NJ*

- Upgraded campus telephony and networking infrastructure across 30 plus buildings, improving system uptime and service reliability.
- Led a summer dorm Wi-Fi expansion initiative that increased student satisfaction scores by 15 percent.
- Partnered with senior engineers to diagnose configuration issues and maintain seamless communication for thousands of users.

PROJECTS

Heart Failure Prediction using ML | *Python, scikit-learn, Pandas, NumPy*   Summer 2025

- Built an end to end machine learning pipeline evaluating Logistic Regression, KNN, Naive Bayes, and SVM models using F1 and recall metrics.
- Implemented preprocessing, visualization, and model selection workflows to ensure accuracy and reproducibility.

AI Resume Analyzer | *JavaScript, React, Python, FastAPI*   Fall 2024

- Developed an NLP powered platform with a FastAPI backend for resume analysis and keyword extraction.
- Built a responsive React interface using component based architecture and clean data driven rendering.

LEADERSHIP

Web & Multimedia Editor   May 2023 – April 2024
The Vector, NJIT Student Newspaper   *Newark, NJ*

- Led digital modernization initiatives as one of six executive board members, elevating the publication's online presence.
- Increased monthly engagement by 10 percent and expanded reach to over 15 thousand users.
- Coordinated cross team efforts and applied analytics to refine content strategy.