

# AADITYA ANAND

Baltimore, MD | (240) 935-9669 | aadityaanand2908@gmail.com | [LinkedIn](#) | [Portfolio](#)

## PROFESSIONAL SUMMARY

Software Engineer with over 2 years of experience in full-stack development, cloud architecture, and ML/AI solutions. Proficient in Python, JavaScript, and SQL, building scalable applications and automated pipelines that improve performance by 25-70%. Adept at delivering data-driven systems and optimizing workflows in Agile environments for enterprise and academic settings.

## TECHNICAL SKILLS

- Programming Languages:** Python (NumPy, Pandas, Scikit-learn, TensorFlow), Java, C++, JavaScript (ES6+), TypeScript, SQL, R, Bash, HTML5, CSS3, Go
- Frameworks & Libraries:** React.js, Node.js, Express.js, Flask, Django, Spring Boot, Redux, Angular, FastAPI, PyTorch, Hugging Face Transformers, GraphQL
- Cloud & DevOps:** AWS (EC2, S3, Lambda, RDS, DynamoDB, ECS, EKS), GCP (BigQuery, Vertex AI), Azure, Docker, Kubernetes, Jenkins, GitLab CI, CircleCI, Terraform, Ansible, Helm
- Data & Analytics:** MySQL, PostgreSQL, MongoDB, Redis, Snowflake, Apache Spark, Airflow, Power BI, D3.js, Apache Kafka, Elasticsearch
- Tools & Technologies:** Git, Selenium, BeautifulSoup, RESTful APIs, gRPC, WebSocket, Postman, Jupyter Notebook, Prometheus, Grafana, Sauber BD, DFTKIT, Maven, Gradle
- Methodologies:** Agile, Scrum, CI/CD, Microservices Architecture, Test-Driven Development (TDD), Behavior-Driven Development (BDD), Unit Testing (Jest, Pytest)

## PROFESSIONAL EXPERIENCE

### Software Development Engineer, Wells Fargo, Baltimore, MD | August 2024 – Present

- Developed Python-based automation framework to process financial transaction data for 70+ internal workflows, reducing processing time by 40% and improving data accuracy by 25%.
- Established Git-based version control system for team codebase, streamlining code reviews and enabling collaboration for 10+ developers in an Agile environment.
- Implemented CI/CD pipelines using Jenkins, automating testing and deployment workflows for banking applications.
- Technologies: Python, Git, Jenkins, Data Processing, Workflow Automation

### DevOps Engineer Intern, Intellicus Technologies, Indore, India | February 2023 – August 2023

- Designed cloud-based application infrastructure for the Kyvos platform using AWS, implementing auto-scaling features with Python and boto3, reducing latency by 30% and improving scalability by 70% for enterprise clients.
- Built and optimized CI/CD pipelines with Jenkins and Selenium, developing automated deployment scripts that eliminated 50% of manual effort and accelerated deployment efficiency by 65%.
- Collaborated with Agile teams to implement automated testing frameworks in Python, integrating unit and integration tests.
- Technologies: AWS (EC2, S3), GCP, Azure, Jenkins, Docker, Kubernetes, Selenium

### AI Research Intern, Indian Institute of Technology, Kharagpur, India | September 2022 – December 2022

- Developed a web-scraping system using Selenium and BeautifulSoup, automating data collection for urban planning research, eliminating 80% of manual effort.
- Designed and implemented a machine learning model in Python with scikit-learn, achieving 92% accuracy.
- Built API integrations for Tableau dashboards using Python and REST APIs, enhancing data visualization accessibility by 40%.
- Technologies: Python, Selenium, BeautifulSoup, Machine Learning, API Integration, Tableau

### Software Engineer, L&T Technology Services, Bengaluru, India | May 2022 – September 2022

- Developed full-stack web applications using React.js and Node.js, improving user interface responsiveness by 35% for 10,000+ monthly users.
- Optimized PostgreSQL database queries, reducing data retrieval time by 25% for high-traffic enterprise applications.
- Built RESTful APIs with Flask, enabling seamless integration with third-party services and improving data exchange efficiency by 30%.
- Automated deployment processes using Docker and GitLab CI, cutting release cycle time by 40% and ensuring 99.9% uptime.
- Technologies: React.js, Node.js, Flask, PostgreSQL, Docker, GitLab CI, RESTful APIs

## EDUCATION

Master of Science in Computer Science | **University of Maryland, Baltimore County, Baltimore, MD**, GPA: 3.62/4.0 | May 2025

Bachelor of Technology in Computer Science | **Medi-Caps University, Indore, India**, GPA: 3.6/4.0 | May 2023

## CERTIFICATIONS

- AWS Certified Cloud Practitioner
- Google Data Analytics Professional Certification

## TECHNICAL PROJECTS

### Cybersecurity Analytics Platform | JavaScript, D3.js, Data Visualization, RESTful APIs | February 2024 – May 2024

- Built an interactive data breach analytics platform using JavaScript and D3.js, improving data exploration efficiency by 60%.
- Designed custom Tableau dashboards with KPIs, enhancing decision-making capabilities by 40% for cybersecurity analysts.

### Distributed File System | gRPC, Multithreading, System Design | August 2023 – December 2023

- Developed a high-performance distributed file system with gRPC communication protocols and custom replication strategies.
- Optimized system performance using multithreading, achieving 25% faster data retrieval for large-scale datasets.
- Implemented Bully algorithm for master-server election, ensuring seamless failover during node failures.