

# AADITYA ANAND

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## MOTIVATION

Software Engineer with over 3 years of experience in full-stack development, cloud architecture, and ML/AI solutions. Proficient in JavaScript, Python and SQL, building scalable applications and automated pipelines that improve performance by huge margins. 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 | August 2024 – Present

- Designed and implemented Java-based backend services with RESTful APIs, improving interoperability between internal financial platforms and transactional latency.
- Established a Git-based version control system for the team codebase, streamlining code reviews and enabling seamless collaboration for 10+ developers in an Agile environment.
- Implemented CI/CD pipelines using Jenkins, automating testing and deployment workflows for banking applications, achieving a 30% reduction in deployment time.
- Designed and integrated RESTful APIs to enhance interoperability between internal banking systems, improving transaction processing efficiency by 20% for high-volume workflows.
- Developed front-end components with React and Angular for internal banking dashboards, enhancing user experience and improving data accessibility.
- Collaborated with cross-functional teams to implement secure coding practices, reducing vulnerabilities in application code by 15% as measured by static code analysis tools.
- Mentored junior developers on Java, React, and Agile practices, improving team productivity by 10% through knowledge-sharing sessions.
- Technologies: Python, Git, Jenkins, RESTful APIs, SQL, Data Processing, Workflow Automation.

### Software Development Engineer, Maxgen Technologies Pvt. Ltd. | May 2021 – August 2023

- Maintained web applications using Python and Django, delivering 5+ client projects with 98% on-time delivery rate.
- Automated data extraction and reporting processes for client dashboards, reducing manual effort by 50% and improving report generation speed by 30%.
- Implemented unit testing frameworks using PyTest, increasing code coverage by 40% and reducing production bugs by 20%.
- Optimized backend database performance by refactoring SQL queries and indexing, achieving a 25% reduction in data retrieval times for client-facing applications.
- Integrated third-party APIs for payment processing and user authentication, enhancing application functionality and improving user satisfaction scores by 15%.
- Participated in daily Scrum meetings, contributing to a 10% improvement in sprint velocity through effective task prioritization and collaboration with a 6-member team.
- Technologies: Python, Django, PyTest, SQL, REST APIs, Agile Methodologies.

## 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**, 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.