

Anuranjan Dubey

Summary: Currently pursuing MS in CS at ASU with expertise in Python, Machine Learning and Backend Development

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EDUCATION

Arizona State University  Master of Science, Computer Science *August 2023 - May 2025*
Artificial Intelligence, Distributed Database Systems and Info. Assurance & Security, **GPA: 4.22/4.0**

UC SanDiegoX's  Data Science MicroMasters Program *July 2022 - August 2023*
On edX, Python for Data Science, Probability and Statistics in Data Science using Python, Machine Learning Fundamentals, and Big Data Analytics Using Spark

Jaypee Institute of Information Technology, Noida, Uttar Pradesh, India
Bachelor of Technology, Computer Science and Engineering, GPA: 7.3/10 *July 2017 - August 2021*

TECHNICAL SKILLS

Languages: Python, Java, C++, SQL, \LaTeX



Web & App Development: HTML, CSS, JavaScript, React-Native(Expo).

Machine Learning and AI: Transfer Learning, Reinforcement Learning, Computer Vision, TensorFlow, PyTorch, Keras, Adversarial Search, CNNs.


Applications & Platforms: GraphQL, Postman, Insomnia, Podman, Docker, AWS EC2, AWS S3, AWS DynamoDB, Git, MongoDB, SQLAlchemy, PostgreSQL, Apache Kafka, MSSQL, Fast API, OpenCV, CyberArk CCP, REST API, Flask, Azure Active Directory, Jenkins.

Others: Linux, cloud infrastructure, containerization, data platform, DevOps, distributed system.

EXPERIENCE

- **Intuit** , **Software Engineering Intern** *May 2024 - August 2024*
 - * Integrated data pipeline for QBO using event-driven design and outbox pattern, leveraging DynamoDB, Apache Kafka, and Databricks, with standard IEDM schema.
 - * Implemented real-time monitoring with Wavefront and Splunk, supporting Java, Spring Boot, Podman, Insomnia, and AWS.
 - * Enabled potential impact for \$10 million and 80% user growth opportunity, also contributing to an \$80M annual opportunity project.
- **Genpact** , **Senior Associate (Data Engineering)** *June 2021 - May 2023*
 - * Integrated 500+ indicators from WB, IMF, The Global Economy, OECD, ONS, and Eurostat; enhancing analysts' user experience by providing accurate data.
 - * Translated business logic into design documents and architecture diagrams. Led team for cross-vertical adoption and code reuse. Optimized API calls, reducing server load by ~30%.
 - * Offered cross-team support with expertise in Python, Git, Bash, JavaScript, CyberArk, QlikAPI, MSSQL, Microsoft Graph, and Fast-API.
- **Filed**, **Software Developer** *April - June 2021*
 - * Incorporated an agile Integration for E-commerce platforms: AWS Marketplace, Shopify, and Magento for Product Catalogue Import.
 - * Leveraged several frameworks and technologies like AWS SAM, Docker, Flask, GraphQL, AWS EC2, SQL, and MongoDB.

RESEARCH

Cost Efficient Defect Detection in Bangle Industry Using Transfer Learning *Nov-2022*
Springer , Communications in Computer and Information Science (CCIS)
Accepted in 7th International Conference on Computer Vision & Image Processing.

PROJECT EXPERIENCE

- **SFTP and API FileSync with Notification** *Fall 2022*
Orchestrated approach, offering centralized management. Implemented non-user process with automated notifications for failed syncs to respective owners, using Active directory and Microsoft Graph API.
- **Qlik Management Console Notification Service** *Spring 2022*
Automated detailed failure notifications via email. Orchestrated seamless data updates in SQL Server and integrated Azure Active Directory for enhanced authentication with CyberArk.
- **Automation of Physical Defect Detection in Bangle Industries** *Fall 2021*
Engineered unique image processing for defect detection using transfer learning and conducted extensive ML algorithm evaluation with traditional and neural network features.
- **Ticketly: A Smart, Scalable Ticket Booking System on AWS** *Fall 2020*
A Ticket Booking Service using FastAPI, SwaggerUI and DynamoDB with AWS Auto Scaling.
- **FindMyFunds: Querying US Funds Streamed via Kafka** *Summer 20*
A Kafka enabled microservice querying Yahoo Finance data from MongoDB.