Aniket Dhanawade

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GitHub: github.com/aniketd2909 | Portfolio: aniketdhanawade.com | Leetcode: leetcode.com/u/aniketd2909/

EDUCATION

Florida Institute of Technology | M.S in Computer Science | GPA: 3.7/4 Aug 2022 – May 2024
Research Assistant – Network Security, Biomedical Imaging | Teaching Assistant – Software Engineering

University of Mumbai | B.E in Electronics and Telecommunication | GPA: 3.5/4 July 2016 – May 2020

WORK EXPERIENCE

Software Engineer, IBM, USA October 2024 – Present
- Designed and implemented a single-page application using Angular, incorporating **Server-Side Rendering (SSR), lazy-loading, and resolvers** to improve application load time by 40% and enhance user experience.
- Utilized Angular reactive forms, dependency injection, **RxJS** and **NgRx** for efficient data handling and state management
- Developed frontend auth features using **Angular services, route guards, and HTTP interceptors**, seamlessly integrating with the backend
- Developed custom modules in Drupal using Symfony, hooks, and used contrib modules for efficient content management
- Tested the application using Jasmine and Karma for **unit testing** and implemented end-to-end testing with Protractor to ensure performance and reliability across user workflows.
- Worked on **CI/CD** to set up an automation workflow involving testing, building, and deploying using AWS, improving deployment efficiency by 70% and ensuring 99.9% application uptime

SDE Intern, Chesstronics, USA March 2024 – May 2024
- Conducted **exploratory and correlation analysis** on client customer datasets using Python (Pandas, Seaborn) to identify spending patterns and churn indicators, enabling **data-driven recommendations** that improved customer retention by targeting high-risk segments.
- Migrated PHP, WordPress, and Shopify websites from HostGator to Cloudways to leverage Cloudways' built-in firewall, automated backups, and managed cloud infrastructure, reducing security vulnerabilities by 90%

Software Engineer, LTIMindtree, India March 2021 – July 2022
- Developed **SPA** using Angular, implementing lazy loading, resolvers and **route guards** to achieve 10% reduction in load time
- Boosted application efficiency by 25% by integrating **Azure Function Apps** for event-driven processing, **App Services** for scalable hosting, and **Service Bus** for decoupled communication - combined with proactive daily monitoring, this resulted in a 30% increase in system reliability and faster incident resolution
- Devised and deployed scalable **RESTful web APIs** utilizing .NET Core to efficiently manage data operations and maintained the solutions using Azure App Service, ensuring high availability and performance
- Optimized database performance by leveraging Entity Framework and advanced **LINQ queries**; achieved a measurable 20% reduction in access time and improved overall system response on a multi-tiered system

PROJECTS

Housing Prices Volatility | Dask, Saturn Cloud, S3, Apache Parquet Jan 2025
- Architected and engineered a scalable ETL pipeline using **Dask** and **Saturn Cloud** to integrate and clean **2.4+ million** transactional real estate records (Florida/Maryland) sourced via Zillow and Bridge Interactive APIs.
- Conducted correlational analysis between sales volume and income, while demonstrating surges in **pricing, rental costs, and transaction speed**, highlighting a market shift toward passive apartment investment.

Research Assistant | Machine Learning, IoT, Cybersecurity | Florida Tech August 2023 – May 2024
- **Biomedical Imaging -** Designed a **CEDA Deep Learning network** trained only on simulated data (zero-shot transfer learning) to reconstruct motion-free cardiac PET images, achieving **superior VIF** & **higher SNR** than conventional clinical algorithms.
- **Network Security -** Constructed **network security** solution to mitigate threats posed by malicious IoT devices by 90% within network environments, leveraged packet capture files for analysis and algorithmic development

Additional | Streamhub (Angular, NodeJS, JWT, Passport), Image generation (Diffusion Model), SkillUP (Angular, .Net)

SKILLSET

Languages:	Python, Typescript, C#, PHP, Java, SQL, HTML/CSS, LATEX
Web Tech:	Angular, Node.js, .Net Core, React, TypeORM, Entity Framework
Database:	MySQL, MSSQL, MongoDB
Cloud:	AWS (S3, DynamoDB, Lambda, ElasticSearch), Azure (Functions, App Service, Service Bus, Blob Storage, API Management)
Tools:	Git, Docker, Redis, GraphQL, Postman, MSTest, Jasmine and Karma
Concepts:	DSA, OOP's, Agile Software Dev., Scrum, Microservices, Design Patterns, MVC, DevOps, Version Control, NoSQL, TDD, BDD

ACHIEVEMENTS & CERTIFICATIONS

- **AWS Developer Associate Certified, AZ-900 Certified: Microsoft Azure Fundamentals, Supervised Machine Learning, Advanced Learning Algorithms**