

Aniket Dhanawade

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EDUCATION

Florida Institute of Technology

M.S. Computer Science

May 2024

Current GPA: 3.67/4.0

University of Mumbai

B.E. Electronics and Telecommunication

Oct 2020

GPA: 3.5/4.0

EXPERIENCE

Research Assistant | Florida Tech, Florida, USA

August 2023 - May 2024

- Utilizing Spline Initialized FADS (SIFADS) algorithm in Biomedical Imaging for the reconstruction of inconsistent projections of Human Cardiac SPECT data
- Built ML models to enhance network security by detecting malicious IoT devices in network environment. Utilized packet capture files for model development

Software Engineer | LTIMindtree, India

March 2021 - July 2022

- Developed a web application using Angular, implementing best practices such as lazy loading and route guards to achieve a 10% reduction in load time
- Enhanced application efficiency by 25% through the integration of Azure services (Function and Logic Apps, App Services, Service Bus) and daily monitoring, leading to a 30% improvement in system reliability
- Adhered to API development best practices in .NET Framework, resolved critical blockers, and maintained 95% system uptime
- Optimized database performance by leveraging Entity Framework and implementing LINQ queries, resulting in a 40% reduction in database access time and improved overall system response

Intern | MICA Controls Ltd, India

December 2018 - December 2018

- Worked on Boiler Automation System project, leveraging PLC's and ladder logic programming techniques, resulting in a 20% reduction in energy consumption and a 15% increase in operating efficiency

PROJECTS

IoT Devices Identification | Machine Learning, Scikit-learn, IoT, Cybersecurity

November 2023

- Utilized IoT device packet capture files to extract features; tooled ML algorithms (RF, DT, KNN, Naïve Bayes, XGB) on a novel feature set to detect the device
- Achieved up to 90% accuracy for RF and DT on single packet and 99% accuracy with aggregation of 9 packets

Parking Violation Ticket | Dask, S3, Seaborn, Saturn Cloud

November 2023

- Data gathering, cleaning, exploratory analysis, hypothesis formulation (approx. 13GB of Parking Data)
- Augmented parking data with temperature data; performed t-test to get useful insights about the vehicles

E-Commerce Website | React, Firebase, Stripe

August 2023

- Developed an e-commerce website utilizing React Context API and hooks for efficient state management
- Integrated Firebase for authentication and database functionality, Stripe for secure payment gateway; resulting in a seamless user experience

More | Effect of Covid-19 on Housing Market (Spark), Diffusion Model for Image Generation, SkillUP (Angular, .Net, MSSQL)

SKILLS

Languages: C#, Python, JavaScript, SQL, Java, HTML/CSS, LaTeX

Frameworks: React, .Net, Angular, ASP.NET, Entity Framework, TensorFlow, NumPy, Pandas

Tools: Azure DevOps Server, MSSQL, MySQL, Git, Azure, AWS (S3, Dynamo DB), Docker, Kubernetes, Postman, SoapUI, VS Code, Visual Studio

Concepts: Data Structure and Algorithm, OOP's, Agile Software Development, RESTful APIs, Microservices, Design Patterns, MVC, Big Data, Cloud, Networking, ETL, ELT

ACHIEVEMENTS

- Presented and published a paper in IEEE Xplore entitled 'OPEN CV based Information Extraction from Cheques'
- Graduate Teaching Assistant @ Florida Tech – Tutored and graded for a class of 35 students for Intro to Software and Advance Soft Eng. and Formal Language and Automata
- Certified in AZ-900: Microsoft Azure Fundamentals, Supervised Machine Learning, Advanced Learning Algorithms