

Ahmed Abdul Saad

Software Engineer

☎ +971 50 817 5420 | ✉ hello@saads.me | 🌐 GitHub | 🔗 LinkedIn | 🌐 Website

Work Experience

- | | | |
|---|----------------------------------|----------------------|
| Junior Software Engineer | Beno Technologies, Dubai, AE | Oct 2023 - Present |
| <ul style="list-style-type: none">◦ Boosted website performance by 150% through implementing a CDN solution with AWS CloudFront and automating performance monitoring using Google Lighthouse.◦ Automated the collection and presentation of performance metrics post-deployment using AWS ECS, Docker, SQL, and Lighthouse.◦ Streamlined CI/CD workflows and automations by creating tools like a release blocker and Strapi redeployer.◦ Automated the collection of testing metrics and report generation, increasing QA productivity by 80%. | | |
| Software Engineer Intern | Beno Technologies, Dubai, AE | June 2023 - Oct 2023 |
| <ul style="list-style-type: none">◦ Led the development efforts to create a sophisticated Next.js dashboard tool providing a comprehensive overview of the test suite.◦ Enhanced test case quality by 25% using AI technology for rubric evaluation.◦ Successfully integrated Cypress into the testing pipeline, reducing manual testing time by 30%.◦ Partnered with QA teams to optimize workflows, reducing monthly bug reports by 50%. | | |
| Software Engineering Intern | Al Ghurair Investment, Dubai, AE | Jun 2022 - Aug 2022 |
| <ul style="list-style-type: none">◦ Tested websites and applications, leading to a 70% decrease in bugs.◦ Demonstrated technical skills in database administration using MariaDB and proficiency in CMS tools such as Strapi and HCL Dx. | | |

Projects

- | | |
|---|------------------------------|
| Real-Time Transportation & Fleet Management System | Freelance Project, June 2024 |
| <ul style="list-style-type: none">◦ Built an end-to-end fleet management solution for schools using Next.js, Express, MongoDB, and Tailwind CSS.◦ Integrated IoT solutions for fleet location tracking with the web app.◦ Utilized server-side rendering and incremental static regeneration to enhance UX. | |
| Deep Learning Pipeline for Crack Detection using Incremental Learning & MLOps | Sept 2022 - May 2023 |
| <ul style="list-style-type: none">◦ Designed a machine learning pipeline for surface crack detection using MLOps practices.◦ Integrated the ML pipeline with AWS EC2, DynamoDB, and S3 using a custom GoLang server.◦ Implemented incremental learning for model improvement from misclassification.◦ Built a Flutter mobile app for image uploads and inference results.◦ Secured AED 5000 through the Undergraduate Research Grant Award. | |
| Prediction of Wildfires using Deep Learning and Vision Transformers | Apr 2023 |
| <ul style="list-style-type: none">◦ Developed a deep learning model to predict wildfires in drone images.◦ Trained the model on the FLAME2 dataset of 60,000 drone images.◦ Achieved 99.92% accuracy by comparing CNNs and Vision Transformers. | |

Education

- | | |
|--|----------------------|
| American University of Sharjah | Sept 2019 - May 2023 |
| <i>Bachelor of Science in Computer Engineering</i> | Sharjah, AE |
| <ul style="list-style-type: none">◦ Awards: Outstanding Student Scholarship, Hamid Jafar Scholarship, Undergraduate Research Grant Award◦ CGPA: 3.15/4.0◦ Certifications: AWS Cloud Practitioner Essentials (July 2022) | |

Skills

Languages: 🐍 Python, 🌐 JavaScript, 📄 TypeScript, 📄 C++, ☕ Java, 📄 HTML, 📄 CSS, 📄 GoLang
Development: 📄 React, 📄 Nextjs, 📄 Tailwind, 📄 Three.js, 📄 AWS, 📄 Docker, 📄 Bitbucket, 📄 TensorFlow