FAHEEM JINNA SULAIMAN

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https://github.com/faheemjinna | https://www.linkedin.com/in/faheemjinna/ | https://leetcode.com/u/FaheemJinnaSulaiman/

TECHNICAL SKILLS

Languages & Frameworks : Java, Python, C, C++, JavaScript, Swift, Spring Boot, TensorFlow.

Cloud & DevOps Tools : Amazon Web Services (AWS), Kubernetes, Docker, CI/CD pipelines.

Data & Backend Technologies : MySQL, MongoDB, Redis, Firebase, Cloudant DB, JDBC, REST APIs, Database Management.

OS & Development Tools : Windows, Mac OS, Linux (Ubuntu), Git/GitHub/GitLab, Xcode, Android Studio, IntelliJ.

Methodologies & Others : OOPs, SDLC, Agile/Scrum, Debugging, Data Structures & Algorithms (DSA), Financial Accounting.

PROFESSIONAL EXPERIENCE

Member Technical Staff – Backend Java Developer | Zoho Corporation, *Chennai, India* **March '22 - June '24**

- Spearheaded backend development for the tax-compliant edition of 'Zoho Books for South Africa' (*zoho.com/za/books*) utilizing Java, SQL, and Financial Accounting expertise, expanding market reach and driving adoption among 500+ businesses.
- Collaborated closely with frontend and content teams to implement the South Africa edition across all Zoho Finance applications, including Zoho Expense, Zoho Inventory, and 4 other applications on Android, iOS and web platforms, ensuring seamless integration and compliance.
- Engineered the TDS returns feature for Zoho Books Kenya using Java and MySQL, simplifying tax filing for users and enhancing compliance with local financial laws, impacting 1,000+ businesses.

SDE Intern – Web Developer | Shree Lakshmi Engineering, *Chennai, India* **December '21 - January '22**

- Developed the official website for Shree Lakshmi Engineering (*slemachinetech.com*) using HTML, CSS, and JavaScript, enhancing customer engagement and reducing online order processing time, resulting in significantly greater efficiency.

EDUCATION

Master of Science in Computer Engineering **August '24 - July '26**

The University of Texas at Dallas, Richardson, TX | GPA: 4.0/4.0

Coursework **:** Applied Data Structures and Algorithms, Computer Architecture, Machine Learning.

Bachelor of Engineering in Electronics and Communication **August '19 - May '23**

Anna University, Chennai, India | CGPA: 8.82/10.0

Certifications : iOS & Swift - The Complete iOS App Development Bootcamp on Udemy; React, NodeJS, Express & MongoDB - The MERN Fullstack Guide on Udemy.

PROJECTS

AgroSei Application | *github link* | Stack: Java, Python, TensorFlow Lite, Firebase

- Developed and deployed AgroSei, an innovative mobile app leveraging Java, to provide farmers with real-time insights on crop management, enabling informed decision-making and boosting productivity by 15%. Integrated a CNN-based soil and plant disease detection system trained on a dataset of over 60,000 images covering 50+ plant diseases, achieving a detection accuracy of 70%.
- Implemented a ML-based disease detection solution to help farmers identify crop diseases early, improving healthy yields by 20–40%. The CNN model ensured robust performance even with diverse plant disease variations.
- Engineered a Random Forest algorithm for a crop recommendation system with 90% accuracy, analyzing soil nutrients and climate conditions to recommend optimal crops, aiding sustainable farming practices.

AquaBot (ROV) for Inspection of Aquarium | Stack: Python, OpenCV, YOLOv8

- Designed AquaBot, an underwater vehicle that streamlined the inspection and maintenance of aquarium ecosystems, reducing maintenance time by 30% and ensuring the safety of over 500 aquatic species through effective monitoring.
- Implemented YOLOv8-based computer vision for real-time monitoring of 100+ aquatic species, and developed tank crack detection using Python and OpenCV to enhance the structural integrity and safety of aquarium environments.

LeftOver Application | *github link* | Stack: Java, XML, Firebase, Edamam API

- Engineered LeftOver, a app helping users to reduce 7% of global food waste by discovering recipes with leftover vegetables. Leveraged the Edamam API, providing access to an extensive database of over 2.3 million recipes, enhancing users' options.

CiniTimes Website | *cinitimes.com* | *github link* | Stack: HTML5, CSS3, JavaScript, Firebase

- Created CiniTimes, a cinema platform connecting directors and actors, featuring blogs and live news, which boosted user engagement through real-time updates and seamless content delivery via Firebase, fostering enhanced community interaction among users.

PERSONAL ACHIEVEMENTS

- Winners of Accenture Innovation Challenge 2021, excelling over 10,000+ participants in Accenture India's most prestigious competition.
- Final Year Project recognized and funded by the National Science & Technology Entrepreneurship Development Board (NSTEDB) for its innovative approach, securing support for prototype development.
- Secured 1st place in CodeFury 3.0 hackathon, triumphing over 1000+ contestants in the prestigious UVCE College event
- Awarded 3rd place and Theme award in Web0code hackathon, surpassing 800+ contenders in NSUT/IEEE CS contest.

Volunteering : Served as the Coordinator of the University's Coders' Club; Executive Member of the LemonIvy Entrepreneurship Cell.