

MOHAMMAD SHAAD

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Education

Vellore Institute of Technology

Bachelor of Technology in Computer Science — CGPA: 8.3

Jul. 2021 – Jul. 2025

Chennai, Tamil Nadu

Experience

SAMSUNG

Sept. 2023 – Jul. 2024

PRISM Developer

Remote

- Built a comprehensive near/far-field impulse response database, enhancing spatial audio research efficiency by 30%, and engineered a robust research platform with advanced localization algorithms, increasing accuracy by 25%.
- Authored technical documentation and research papers, contributing to Samsung's knowledge base and fostering innovation and collaboration within the audio research community.

Influcon Digital

Sept. 2023 – Feb. 2024

Freelance Software Developer

Remote

- Designed and implemented Influcon's employee training UI, increasing user engagement by 15% through intuitive design and integrated analytics tools, leading to a 20% improvement in training completion rates.
- Ensured high precision and efficiency in application development, meeting all deadlines and quality standards while providing actionable insights from user feedback.

Gizmolab

Aug. 2023 – Jan. 2024

Full Stack Developer

Remote

- Enhanced Gizmolab's 3ARN UX/UI, boosting user satisfaction by 20% through innovative design and feedback integration, and optimized backend APIs to improve system performance by 35%.
- Collaborated with a team of 5 frontend developers, 3 designers, and 2 product managers to align development efforts with business goals and user needs, ensuring seamless functionality.

Projects

Machine Learning Model for Early Detection of Retinopathy of Prematurity | Python, ML

Apr. 2024

- Created and trained an ensemble model combining multiple convolutional neural networks (CNNs) for early detection of Retinopathy of Prematurity, achieving an accuracy of 94% on the test dataset; applied data augmentation and transfer learning, resulting in a 15% boost in model accuracy and reducing the false-negative rate by 20%.

Dockerized Golang Book Management App | React.js, Golang, Docker, JWT

Jul. 2023

- Implemented a book management app using Golang and React.js, Dockerized for 40% improved deployment efficiency, integrated JWT for secure authentication, and enhanced backend for 30% faster response times.

Skills

Languages: Golang, Python, Java, C, C++, HTML, CSS, JavaScript, TypeScript, SQL, NoSQL, Express.js, Node.js, Solidity

Tools: Docker, Google Cloud Platform, Amazon Web Services, Firebase, Supabase, VS Code, Git, PostgreSQL, MongoDB, Figma, Adobe Illustrator, Photoshop, After Effects, Canva

Technologies/Frameworks: Next.js, React.js, Vue.js, Linux, Jenkins, GitHub, JUnit, WordPress, Convolutional Neural Network (CNN)

Achievements / Extracurricular

Technical Talks

- Delivered a keynote on AI & UX Design at MET Nashik to 150+ professionals, providing actionable insights on AI-driven user experience strategies.
- Delivered a keynote to 300+ attendees at FOSSUNITED Chennai on advanced integration of DevOps and IoT, increasing community engagement by 25%.

Leadership

- Achieved Beta level as a Microsoft Learn Student Ambassador; delivered 10+ workshops/webinars to 500+ students, boosting active participation by 40%.
- Served as Technical Lead for VITC's Fraternity of Young Innovators and Enactus club, overseeing technical initiatives that improved project efficiency by 30% and increased member participation by 20%.