Manan Malik

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EDUCATION

BHARATI VIDYAPEETH (DEEMED TO BE UNIVERSITY)
COLLEGE OF ENGINEERING   **PUNE, INDIA**
Bachelor of Technology in Computer Engineering, CGPA: 9.18   July 2014 - June 2018

BHARATI VIDYAPEETH (DEEMED TO BE UNIVERSITY)   **PUNE, INDIA**
Diploma in Network Security, A+ Grade   July 2014 - June 2017

NEW ERA PUBLIC SCHOOL   **NEW DELHI, INDIA**
XII - Central Board of Secondary Education, 89%   May 2014
 X - Central Board of Secondary Education, 8.8 CGPA   May 2012

EXPERIENCE

Zenlabs Research and Development, Zensar Technologies   **Pune, India**
AI/ML Developer • Sr. Software Engineer   August 2022 - Present

- Led development of a digital avatar system for LLM using Unreal Engine for natural, human-like interactions.
- Spearheaded migration of AI solutions to Google Cloud Platform for advanced data analytics.
- Implemented computer vision for defect detection in industrial applications.

Zenlabs Research and Development, Zensar Technologies   **Pune, India**
AR/VR Developer • Software Engineer   January 2020 - August 2022

- Enhanced gameplay for native iOS AR/VR applications, including a proof-of-concept for inventory management for a London auction house.
- Developed immersive experiences using Unity and WebGL for metaverse interaction.
- Designed and tested augmented reality applications in iOS using ARKit.
- Pioneered virtual banking experiences in the Metaverse with Unity Game Engine and Blender.
- Utilized LiDAR for advanced 3D model optimization.

Macy's (US Offshore), Zensar Technologies   **Pune, India**
iOS Developer • Software Engineer   September 2020 - December 2020

- Developed a native iOS application using Xcode and Firebase database to enhance offline point-of-sale transactions, significantly enhancing the efficiency and transactional flow of the application.
- Enabled offline transaction capabilities through Google Cloud Platform integration.

Nedbank (SA Offshore), Zensar Technologies   **Pune, India**
Web Developer • Jr. Software Engineer   October 2018 - January 2020

- Facilitated the migration of Nedbank's enterprise-wide client onboarding codebase from AngularJs to Angular 8.
- Utilized agile software development practices to upgrade and optimize client onboarding platform, migrating services from AngularJS to Angular 8 for enhanced scalability and performance.
- Ensured application reliability through CI/CD and delivered comprehensive unit testing in Karma and Jasmine, meeting 97% accuracy.

SKILLS AND INTERESTS

Technical: Swift, C#, C++, JavaScript, Java, SQL, HTML/CSS, Angular, AngularJS, ARKit, GCP, Python, Vertex AI, Firebase, Blender.

Area of Expertise: AR/VR/XR Development, Artificial Intelligence, Machine Learning, Unity, Unreal Engine, Spatial Computing, Web Development, UI/UX, WebAR/VR, 3D Modelling, iOS Development, Metaverse.

CERTIFICATIONS AND SPECIALIZATIONS

- Google AI Essentials
- Introduction to Generative AI Learning Path Specialization by Google Cloud
- ChatGPT Prompt Engineering for Developers by DeepLearning.AI

RESEARCH PAPERS AND BLOG PUBLICATIONS

" Advancing Lidar Technology: Enabling Next Generation AR/VR Experiences and the Metaverse "
https://www.zensar.com/insights/blogs/advancing-lidar-technology-enabling-next-generation-ar/vr-experiences-and-metaverse/

" Surveillance System Based on Raspberry Pi Implementing Object Detection "
UGC-recognized International Journal of Creative Research Thoughts (IJCRT)

PROJECTS INFORMATION

- **GitHub Portfolio:** github.com/mananmalik1807
- **LinkedIn Profile:** linkedin.com/in/manan-malik