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# SHIVAM SHAKYA

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## SUMMARY

A software developer with 2 years of experience in full-stack development, specializing in AI integration and 3D technologies. Strong foundation in DSA, Operating Systems, and Databases.

## SKILLS

<b>Programming Languages:</b>	Java ,C++ , Javascript, Python
<b>Frontend:</b>	React, NextJS, Sveltekit , ThreeJS, HTML, CSS, Tailwind
<b>Backend:</b>	SpringBoot , Node.js, Express, FastAPI, WebSockets & WebRTC
<b>Databases:</b>	MySQL, MongoDB, Firebase, Redis
<b>Cloud:</b>	AWS EC2, AWS S3
<b>Messaging:</b>	Kafka
<b>Security:</b>	JWT, Middleware, OAuth
<b>Devops:</b>	Docker, Git, Jenkins
<b>AI/ML:</b>	ML, Embeddings, RAG systems, LangChain

## EDUCATION

### PG Diploma in Advanced Computing (PG DAC),

CDAC Acts, Pune

2025 - 2026

### Masters of Science (Industrial Mathematics and computer applications),

Department of Mathematics, Savitribai Phule Pune University, Pune

2021 - 2024

### Bachelor of Science (Physical science with electronics),

Acharya Narendra Dev College, Delhi University , Delhi

2018 - 2021

## EXPERIENCE

### 3D Web Developer

05/2024 -09/2025

*VRARMR, Delhi*

- Worked on various client tech projects focused on AI, VR, and AR . Using threeJS, Unity , FAST API , NodeJS and open-source AI models to develop creative, practical, and engaging tech solutions.
- Optimized AI Backend performance , reduced latency from 40-45s to 3-4s in an application for scalable deployment To 10,000+ users.
- Developed instant Android AR app for enhancing user engagement, resolved critical software issues and contributed to multiple client projects.
- AWS, Cloudflare Deployment and traffic management using load balancing and auto scaling for AI solutions.

### Full Stack Developer - Intern

10/2023 - 04/2024

*Renderpub, Bengaluru*

- Developed immersive web-based spaces using Three.js and Cloudflare, focusing on code generalization for scalability and reusability.
  - Implemented avatar and camera interactions in a 3D space using WebSockets and WebRTC to enable multiplayer functionality.
  - VR setup for immersive experiences.
  - Build a web based 3d editor in three.js and Sveltekit (Full Stack Framework) for metaverse.
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## PROJECTS

**Ripple AI:** Built a PWA-based social media platform for social welfare using microservices with Eureka service discovery and API Gateway. Implemented Kafka event workflows, real-time feed updates via WebSockets, Redis caching, lightweight AI-powered post analytics, subscription billing, a ranking-rewards system, and a notification service.

**Tech Stack:** Spring Boot, JPA, Python, and React , Docker , AWS EC2.

**Department Project:** Developed a personal management system for department students and teachers, featuring alumni and recruitment registration with email functionality. Integrated an admin system with role-based authentication and authorization. Included a student project showcase and department portfolio for better visibility and engagement.

**Tech Stack:** NodeJS, MongoDB, react.JS

**Aamchi Mess:** Developed a full-stack Android app using Java in Android Studio, featuring barcode scanning and a built-in scanner. Integrated an alert system to notify users of menu updates and enabled users to explore available mess options for detailed information.

**Tech Stack:** Android Studio , Java , Rest Api, Flask

## CERTIFICATES

The Complete Web Developer in 2023: Zero to Mastery Certificate.

Complete NodeJS Developer in 2023: (GraphQL , MongoDB ,+more)

Machine learning Hackathon (signal processing) 1st prize Certificate (Department of Mathematics)

## EXTRA-CURRICULAR ACTIVITIES

- Performed various theatre plays (Street play , Stage play , mime ) on social issues in various competition in cultural fests of Delhi University , IIT Bombay , IIT BHU , IIT Ropar.
- Inter college debate competitions.
- Joined NSS and in school and college , took part in its various activity.

## INTERESTS

Mathematics, Coding, Literature, Writing , Acting and Drama

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