SHIVAM SHAKYA

+918318357977 · shivdu2000@gmail.com · Linkedin · Portfolio · Github

SUMMARY

A software developer with 1.5 years of experience in web and mobile app development. Specializing in AI integration , full stack development , and 3D technologies bringing effective and innovative solutions to complex problems. Strong foundation in Data Structure and Algorithms, Computer Networks, Operating Systems and Databases. Good Understanding in Machine learning and Deep learning algorithms with hands-on experience in data science tasks.

SKILLS

Programming Languages:	Java , Python , Javascript
Frontend Technologies:	ReactJS , NextJS,ThreeJS, HTML5, CSS ,Tailwind CSS
Backend Technologies:	Node.js, Express, RESTful APIs,FAST API, Socket.io
Database Management:	PostgreSQL, MySQL, MongoDB (NoSQL) , Firebase
Cloud Platform:	AWS S3, AWS EC2, Cloudflare
Security and Authorization:	Authentication and Authorization, JWT, Middleware, OAuth
AI Technology:	Machine Learning, Embeddings, RAG systems, Mathematics

EDUCATION

Bachelor of Science (Physical science with electronics),

Acharya Narendra Dev College, Delhi University , Delhi   2018 - 2021

Masters of Science (Industrial Mathematics and computer applications),

Department of Mathematics, Savitribai Phule Pune University, Pune   2021 - 2024

EXPERIENCE

3D Developer   05/2024 - Present

VRARMR , Delhi

- Working on various client projects focused on Artificial Intelligence, Virtual Reality, and Augmented Reality. Utilizing Hugging Face, LangChain, LangGraph, and open-source AI models to develop creative, practical, and engaging tech solutions.

- Experienced in creating Augmented Reality (AR) experiences using Snapchat filters, MediaPipe, Zappar, Mind AR, and ARCore. Developing Virtual Reality (VR) experiences with Three.js, Babylon, and Unity, including projects like digital heritage walks, and shoe showrooms.

- 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 react for metaverse.

Three.js Developer - part time   05/2023 - 10/2023

Novalty AR , Remote

- Developed multiple Augmented Reality (AR) templates using Three.js, HTML, CSS, and JavaScript, integrating Firebase as an asset store for efficient asset management.

PROJECTS

Face Recogntion System: Developed this System utilising machine learning algorithms such as Support vector Machine . Used Class Student face data to train the model and Developed a Web interface by serving model on Fast API and to a react JS application.
Techstack: python, SVM algo.,Fast API.

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.
Techstack: 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.
Techstack: 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