

SOHAM DAS

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Work Experience

FULL STACK DEVELOPER

VortexWeb

Oct 2024 – Dec 2024

Remote, Dubai

- Built a **property listing engine** using **Laravel Breeze**, **React**, and **MySQL**, integrating XML/REST APIs from Bayut, Dubizzle, and Property Finder with **Redis caching** and **cron-based sync**, reducing listing lag by **95%**.
- Automated Bitrix24 CRM workflows via **webhooks**, **Cloudflare Workers**, and **SQS**, enabling real-time lead routing, chatbot triggers, and email/SMS automation, cutting manual operations by **30%**.
- Developed a secure, responsive **analytics dashboard** with **Bitrix APIs**, deployed using **Docker**, **Nginx**, **GitHub Actions CI/CD**, and hosted on **AWS ECS (EC2)** with IAM roles.

SOFTWARE ENGINEERING INTERN

CS FOR ALL

Oct 2022 – May 2023

Remote, IN

- Built a microservices-based LMS (Node.js, React, PostgreSQL, Redis) for **5K+ users**, containerized with Docker and deployed via **Kubernetes** with autoscaling, service discovery, and zero-downtime rollouts.
- Integrated JWT/OAuth2 auth, role-based modules, and **S3-compatible storage** for scalable asset delivery, using CDNs and **serverless functions** for async tasks like emails and certificate generation.
- Ensured production reliability with **80%+ test coverage** (Jest), Prisma migrations, centralized logging (Winston + ELK), secrets management, and CI/CD via GitHub Actions.

Education and Certifications

B.Tech in Computer Science & Engineering

Netaji Subhash Engineering College, **GPA : 8.9**

Kolkata, IN

Sept 2021 – June 2025

Technologies and Languages

Languages:	TypeScript, JavaScript, Python, C++, PHP
Frameworks:	React, Next.js, Express (Node.js), Laravel
Cloud & DevOps:	Docker, kubernetes, AWS (EC2, S3, ECS, SQS), Cloudflare Workers, GitHub Actions (CI/CD)
Databases:	PostgreSQL, MySQL, MongoDB, Redis, Prisma ORM
AI/ML:	OpenAI, Gemini, LLM Integration
Other Tools:	Git & GitHub, Jest, Microservices, Bitrix24 CRM, Agile/Scrum

Projects

Artify : AI Powered Saas Image Transformation Tool | [Link](#)

Next 14, Stripe, AWS, Docker, Cloudinary, Typescript, Prisma

Built a scalable SaaS using **Next.js 14**, containerized with **Docker**, reverse proxied via **Nginx**, deployed on **AWS (EC2, S3)**; integrated **AI image APIs** with **Cloudinary** for media storage and used **GitHub Actions** for CI/CD and testing via **Jest**.

Envision: Voice-Controlled AR Application | [Link](#)

Unity-3D, Vuforia, Wit-AI

Developed a real-time AR app with **Unity 3D**, **Vuforia**, and **Wit.ai**, enabling voice-activated 3D interactions with natural language support and real-world object tracking, optimized for cross-device AR experiences.

PEER.AI : AI Powered Voice-Controlled Chrome Accessibility Extension | [Link](#)

Chrome Extension, Javascript, React, Webpack, GPT-3.5 api, Bable

Engineered an AI-powered Chrome extension using **React**, **Webpack**, and **GPT-3.5 API**, enabling seamless voice navigation across browser tabs with modular architecture and accessibility-first design principles.

Accomplishments

March 2024 **JWOC**

Mentored in JWOC, an **open source** event conducted by Jalpaiguri Govt. Engineering College under the project Slate.AI.

Oct 2022 **Smart India Hackathon**

Runner-up in the Grand Finale of Smart India Hackathon 2022 (Software Engineering Edition) under the problem statement ID-AK1087.