

# PRATHAM S KORE

Mysore, Karnataka, India

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## EDUCATION

**Indian Institute of Information Technology (IIIT)**

*B.Tech in Computer Science Engineering (CGPA: 8.8)*

Aug 2023 – 2027

Kottayam, Kerala

## EXPERIENCE

### • Eka.Care

Dec 2025 – Present

*Software Development Engineer (Backend / Platform)*

*Bengaluru, India*

- **Event-Driven Architecture:** Orchestrated a complex ingestion pipeline for **Nucleus** triggered via **AWS SQS**, routing through parallel **Celery** tasks to **FastAPI** for model inference, managing state via **Redis** and broadcasting final results via **AWS SNS**.
- **Internal Tooling & Security:** Built a **Streamlit** application integrating **GitHub APIs** to benchmark datasets; deployed on a **Private VPC AWS EC2 instance** restricted via **VPN access** for strict enterprise security.
- **Open Source & Performance:** Contributed core functionalities to the **FHIR SDK** for healthcare interoperability and revamped the *karma-medieval* repository via lazy importing, achieving a **60% reduction** in initialization time.

### • Soundverse.ai | Recommendation Letter [📄](#)

Aug 2025 – Oct 2025

*MLOps Engineer — DevOps & Backend Developer*

*New York, USA*

- **Shark Tank Success:** Architected the **RVC Training**, **RVC Inference pipelines**, and **Enterprise API** demonstrated on national television, directly supporting the pitch that secured **INR 1.35 Crore** in funding.
- **High-Performance Compute:** Provisioned **Google Compute Engine** instances with **L4 GPUs** to deploy high-fidelity audio models, integrating **Azure Blob Storage** for efficient large-scale asset management.
- **Microservices & Orchestration:** Deployed the **Section Timestamp Model** and **Voice-to-Instrument** pipelines using **RabbitMQ**, **Celery**, and **Redis**, fully containerized with **Docker** and orchestrated on **Kubernetes**.
- **Production DevOps:** Streamlined asynchronous task chains for the **AI Song Generator**, ensuring **99.9% reliability** and seamless scaling for **1,000,000+ users**.

### • Soundverse.ai

Mar 2025 – Jul 2025

*Full Stack Web Developer*

*New York, USA*

- **Scale & Monetization:** Launched the **AI Music Generation API** with **Stripe** for enterprise subscriptions, driving new revenue streams. Simultaneously refined core AI generation features serving a user base of **1,000,000+**.
- **Backend Optimization:** Spearheaded the **DNA** project, refactoring backend routes in **FastAPI** and **Next.js** to optimize database queries, significantly improving **SEO** rankings and organic traffic.

### • Optacloud | Recommendation Letter [📄](#)

Dec 2024 – Jan 2025

*Full Stack Web Developer*

*Singapore*

- **Real-Time Systems:** Implemented a collaboration platform serving **1,000+ users** with real-time video and chat capabilities using **GetStream.io** SDKs, **React**, and **Firebase**, significantly reducing latency compared to traditional WebRTC implementations.

### • ConsultEd | Recommendation Letter [📄](#)

May 2025 – Jun 2025

*Full Stack Web Developer (Freelance)*

*Kerala, India*

- **Business Impact:** Delivered a SEO-centric **Next.js Website** with **Sanity CMS**, driving a **1,000+ increase in Monthly Active Users (MAU)** and significantly boosting the client's business turnover rate.

## TECHNICAL SKILLS

**Languages:** Python, Java, C, C++, Go, JavaScript, TypeScript, SQL, NoSQL, HTML, CSS

**ML / MLOps:** TensorFlow, scikit-learn, NumPy, Pandas, RAG, SageMaker, Bedrock, MLflow, DVC, Elasticsearch, Celery, RabbitMQ

**Platforms & Tools:** AWS, Google Cloud, Azure, Cloudflare, Docker, Kubernetes, Linux, Git, GitHub Actions, Vercel, Firebase, Supabase, Grafana, Postman, Figma

**Technologies:** Node.js, React, Next.js, Express.js, FastAPI, MongoDB, PostgreSQL, MariaDB, MySQL, Redis, Tailwind, Framer, SEO

## CERTIFICATIONS

**AWS Certified Machine Learning – Specialty (MLS-C01) [📄](#)**

Aug 2025 – 2028

*Amazon Web Services*

- Validated advanced expertise in designing, training, and deploying production-grade ML solutions on AWS. Demonstrated ability to operationalize MLOps pipelines for security, scalability, and high availability.

**AWS Certified Cloud Practitioner [📄](#)**

Jul 2024 – 2027

*Amazon Web Services*

- Proven knowledge of cloud architectural principles, security compliance, and Well-Architected solutions that optimize cost and performance.