

# Amogh Gopalakrishna Nayak

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## EDUCATION

### Northeastern University

Master of Science in Computer Science

Coursework: Programming Design Paradigm, Algorithms, Web Development, Foundations of AI

Boston, MA

Expected May 2026

### Dayananda Sagar College of Engineering

Bachelor of Engineering

Bangalore, India

August 2016 – August 2020

## TECHNICAL SKILLS

<b>Languages:</b>	JavaScript, TypeScript, Python, Java, C/C++, HTML/CSS
<b>Databases &amp; DevOps:</b>	MongoDB, Firebase, AWS, Docker, CI/CD, Nginx, System Design
<b>Frameworks &amp; Libraries:</b>	Express.js, Node.js, React, Django, TensorFlow, PyTorch, scikit-learn, Matplotlib
<b>Machine Learning:</b>	Reinforcement Learning, Deep Learning, Feature Engineering, Numpy, Pandas

## EXPERIENCE

### Software Development Engineer

LetsVenture Pvt. Ltd.

June 2021 – October 2023

- **Launched** two investor **MERN** apps, enabling adoption by **60,000+** users and exceeding stakeholder expectations.
- **Led** development & optimizations of **RESTful APIs and microservices**, reducing data retrieval time by **40%**.
- Improved API response time by **22%** via **caching**, **AWS CloudFront**, and **load balancing** strategies.
- Designed & developed serverless workflows using **AWS Lambda & SQS**, processing **100k+** daily events.
- Deployed zero-downtime releases via **Docker**, **Bitbucket Pipelines**, and **Nginx**, boosting release frequency by **50%**.

### Founder, Full-Stack Developer

Praan-e-Rakshak

October 2020 – May 2021

- Engineered a **MERN** rescue ops app, reducing coordination delays and increasing daily rescues by **2x**.
- Cut average response time by **50%** using **geotagged request flow** and real-time dashboards.
- Tracked **50+** **active cases** with analytics dashboards to monitor health progress and field activity.

### Full-Stack Development Intern

ResoluteAI

July 2020 – October 2020

- Delivered a **production-ready MVP** 2 months early, enabling pilot testing for 100+ clinicians.
- Built dashboards and onboarding flows with **role-based access control (RBAC)**.
- Integrated **Zoom API** for automated scheduling, reducing no-show rate by **25%**.
- Achieved **85% test coverage** with **Jest**, **React Testing Library**, **mocked Firestore**, reducing frontend bugs by **30%**.

## PROJECTS

### BuRP – Business Resource Planning | Founder | *Node.js, React, MongoDB, AWS, Docker* November 2023–Present

- **Product Owner** of a new-age **ERP SaaS** platform, built to streamline operations for SMEs.
- Drove **\$60,000+** revenue in **3 months** through partnerships, rapid feature iteration, and client-driven updates.
- Managed a cross-functional team of **2 interns** (design & development), following **Agile methodologies**.
- Architected **multi-org tenancy** under single logins, streamlining operations for **multi-brand businesses**.
- Built a **Dockerized CI/CD** pipeline with **AWS ECR**, cutting deployment time by **60%** on **AWS EC2**.
- Built **custom UI generators** from DB schemas, empowering CRM clients with dynamic dashboards.

### QollaR | Founder | *React, Node.js, MongoDB, AWS, Docker*

November 2023 – Present

- Spearheaded the development of a QR-code-based **pet-care platform**.
- **Sold 150** QollaRs and QollaR'ed **150** street dogs in 1 month, boosting adoption and community impact.
- Enabled continuous deployment via **Dockerized CI/CD** using **AWS EC2, ECR, and Nginx**.