

# AMOGHA BHAT MR

amoghabhat74@gmail.com | +91 7760200927 | LinkedIn | GitHub | Portfolio

## PROFESSIONAL SUMMARY

Highly skilled Software Engineer and AI Specialist with 1.5+ years of experience architecting scalable full-stack applications, Distributed Systems, and Generative AI solutions. Proficient in C#, .NET, Python, and React, with advanced expertise in the AWS Cloud Ecosystem (EC2, S3, Lambda, RDS). Expert at integrating Transformer-based LLMs, optimizing relational databases (SQL Server), and deploying Microservices via Docker and CI/CD. Adept at solving complex business challenges through AI-driven design.

## TECHNICAL SKILLS

**Programming:** C#, Python, JavaScript, TypeScript, Java, C++, SQL, Dart, Shell Scripting (Bash), UML

**Web & Backend:** .NET 8 / Core, React.js, Next.js, Node.js, FastAPI, WebRTC, Microservices, RESTful APIs, HTML5, CSS3, Tailwind

**AWS Ecosystem:** Amazon EC2, S3, Lambda (Serverless), RDS, DynamoDB, IAM, RBAC, Load Balancing, CloudWatch, Route 53

**AI & Data:** Generative AI (LLMs), RAG, NLP, Transformer Models, Firebase, SQL Server, PostgreSQL, MongoDB, Schema Optimization

**DevOps & Tools:** Docker, Git, GitHub Actions, CI/CD, Vite, Postman, Vercel, Linux/Unix, Agile/Scrum, Jira

**Engineering:** Distributed Systems, Network Security, Design Patterns, OOP, UI/UX Design, Responsive Web Design

## PROFESSIONAL EXPERIENCE

### Software and Network Engineer

April 2026 - Present

*Apps and Device*

- Architecting 'Stucle' educational streaming platform using React and Node.js for schools across 9 states.
- Optimized real-time data delivery on AWS EC2 and S3, ensuring high-performance for 10,000+ concurrent students.
- Spearheaded network security, load balancing, and AWS CloudWatch monitoring to maintain 99.9% system uptime.

### AI Engineer

May 2025 - March 2026

*Colligence Research*

- Led architecture of 'Circle' collaboration platform with AI chatbots, WebRTC, and .NET Core backend for 50+ members.
- Developed 'Foundry' AI-driven ERP suite using C#, .NET, and AWS RDS/S3, featuring modular resource planning.
- Integrated Transformer-based LLMs and RAG pipelines, reducing manual data processing overhead by 40%.
- Automated deployments using Docker and GitHub Actions, achieving 50% faster release cycles.

### Software Developer Intern

Jan 2025 - Apr 2025

*Center for Development of Telematics (C-DOT), Govt. of India*

- Built full-stack internship portal using C#, .NET, and SQL Server, streamlining registration for 100+ candidates.
- Implemented robust AWS IAM and RBAC protocols, securing critical government application infrastructure.
- Refactored relational database schemas and optimized complex SQL, boosting data retrieval speed by 30%.

### Frontend Developer Intern

Jan 2025 - Apr 2025

*Dlithe*

- Designed 5+ adaptive user interfaces using React.js and Tailwind CSS with 100% cross-browser interoperability.
- Championed mobile-first design, ensuring seamless user journeys across all devices and screen sizes.

## KEY PROJECTS

**Grok Notepad** | *React, .NET Core, AWS Lambda, AI Agent*

[srirama7.github.io/grok-notepad](https://srirama7.github.io/grok-notepad)

- Developed AI productivity ecosystem with specialized NLP agents and serverless AWS Lambda backend.
- Consolidated Word/Excel/PPT tools into unified workspace via .NET microservices for multi-format assistance.

**Bhoomitayi - Real Estate** | *Next.js, TypeScript, Firebase, AWS S3*

[bhoomitayi.vercel.app](https://bhoomitayi.vercel.app)

- Launched real estate marketplace with sophisticated search and AWS S3 for scalable asset storage.
- Implemented Firebase auth and real-time cloud data synchronization, managing 200+ property listings.

**GST Invoice Calculator** | *React, .NET, Docker, Firebase*

[srirama7.github.io/gst-invoice-calculator](https://srirama7.github.io/gst-invoice-calculator)

- Deployed cross-platform tax tool for precise GST calculations and PDF generation via Dockerized environment.

## EDUCATION

**B.E. in Computer Science | CGPA: 7.98**

2021 - 2025

*NMAM Institute of Technology, Nitte*

**12th CBSE | 81.20%**

2019 - 2021

*HMR International School, Bengaluru*

## CERTIFICATIONS

- Google Professional Certificate: Network Security & Cybersecurity
- Internshala: Advanced Web Development (React, Node.js)
- NPTTEL: Object-Oriented Systems (Java, UML, Design Patterns)