

# ARCHANA CHUKKANNAGARI

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Portfolio: <https://archanaportfolio-ruby.vercel.app/>

## PROFESSIONAL SUMMARY

Software Engineer with 3+ years of experience building scalable web applications using React.js, TypeScript, Node.js, and Python. Skilled in developing high-performance UIs, REST APIs, SQL/NoSQL databases, cloud deployments, and full-stack product delivery. Experienced in building AI-driven platforms and agent workflows with Supabase-backed real-time systems.

## TECHNICAL SKILLS

**Frontend:** React.js, Next.js, TypeScript, JavaScript (ES6+), Redux, HTML5, CSS3, Responsive UI, Vue.js (working knowledge)

**Backend:** Node.js, Express.js, Python, RESTful APIs, JWT, API Integrations, Authentication & Authorization, Go lang (working knowledge)

**Databases:** PostgreSQL, MongoDB, SQL, Supabase (PostgreSQL, Auth, Storage)

**Testing:** Jest, React Testing Library, Postman, Unit & Integration Testing

**Cloud & DevOps:** AWS (EC2, S3, RDS, Lambda, CloudFront), Docker, CI/CD Pipelines, Git

**Development Practices:** Agile/Scrum, Code Reviews, Performance Optimization

## PROFESSIONAL EXPERIENCE

**AI Platform Engineer (Full Stack Developer) | George Brown Polytechnic College, Toronto, ON** (Aug 2025 – Dec 2025)

- Built a React.js + TypeScript AI agent marketplace UI to browse, install, and manage secure agents (app-store style).
- Integrated Supabase (PostgreSQL, Auth, Storage, Realtime) for role-based access and live data updates.
- Supported backend + AI workflows through secure install pipelines, API integration, and RAG/LLM experimentation.

**Associate Software Engineer | XRG Consulting Pvt Ltd, Hyderabad, India** (Apr 2023 – Apr 2024)

- Developed React.js dashboard for New Relic platform managing 50+ cloud services and visualizing 1M+ data points daily.
- Improved dashboard performance by 35% using code splitting, lazy loading, and reusable component design.
- Built Python backend services and REST APIs for real-time aggregation, improving data accuracy by 25%.

**Server Developer Trainee | XRG Consulting Pvt Ltd, Hyderabad, India** (Mar 2022 – Mar 2023)

- Built scalable backend microservices and APIs supporting an OTT platform with 5,000+ concurrent users.
- Improved API response times by 40% through query optimization and caching strategies.
- Implemented unit testing coverage of 85%+, reducing deployment failures by 60%.

**Server Developer Intern | XRG Consulting Pvt Ltd – Hyderabad, India** (Apr 2021 – Feb 2022)

Developed REST APIs handling 500+ requests/min with sub-200ms response times.

Contributed to production deployments and reduced bug reports by 30% through testing and fixes.

## PROJECTS

- **Hugging Face Computer Vision Agent (PyTorch + Gradio + Hugging Face Spaces):** Built and deployed an NTS-Net fine-grained bird classification agent with live demo + public API.
- **Task Manager / Client Portal (React + FastAPI + PostgreSQL + Docker + AWS):** Full-stack CRUD app with JWT authentication, migrations, dashboards, testing, and deployment-ready structure.

## CERTIFICATIONS

- HuggingFace Agents Course
- Google Generative AI for Developers
- Microsoft Azure Fundamentals (AZ-900)

## EDUCATION

Mobile Applications Development | George Brown College, Toronto, ON (May 2024 – Dec 2025)

Bachelor of Electronics and Communication | MGIT, India (Jul 2017 – May 2021)