

Ayush Amin

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EDUCATION

Vellore Institute Of Technology

Bachelor of Technology in Computer Science - 90.1%

Vellore, India

Sep. 2022 – July 2026

Sri Chaitanya Junior Kalasala

Math's Physics Chemistry (MPC) – 96%

Telangana, India

July 2022

Bhartiya Vidya Bhavans

High School - 90%

Telangana, India

March 2020

TECHNICAL SKILLS

Technical Skills: Java, JavaScript, Python, Machine Learning, Deep Learning, NLP, Git, React.js, Next.js, MongoDB, Node.js, Kafka, Docker, Express.js, TypeScript, Scikit-learn

Frameworks: NextJS, ReactJS, NodeJS, Flask, Tailwind CSS, LangChain, Scikit-learn, FastAPI

Developer Tools: Git, Docker, AWS Cloud Platform, VS Code, MongoDB Compass, Linux CLI, Postman

Soft Skills : Problem-solving, Time Management, Communication, Teamwork, Decision Making

EXPERIENCE

Accenture

May 2025 – July 2025

Advanced App Engineering Analyst

Hyderabad, India

- Connected backend services with testing frameworks to ensure 99% system reliability and seamless performance across environments
- Engineered and optimized a new feature using Next.js 15 with Partial Pre-rendering (PPR), cutting page load time by 35% and enhancing experience
- Deployed Google Cloud Platform (GCP) services and successfully launched the application on GCP, boosting scalability and deployment efficiency
- Authored comprehensive technical and functional documentation, serving as the final project delivery to Google's development and QA teams

Pyro Holdings Pvt Ltd

May 2024 – July 2024

SDE Intern

Hyderabad, India

- Developed a Retrieval-Augmented Generation (RAG) application, enabling intelligent customer interactions powered by Generative AI
- Rolled out the RAG-based chatbot for customer service, trimming human resource dependency by 25% and elevating query resolution efficiency
- Embedded the chatbot as a Q&A assistant across company websites, boosting customer engagement and self-service capabilities

PROJECTS

FoundersHub | Next.js 15, TypeScript

GitHub Link | Live Site

- Built a full-stack platform with Next.js 15 for virtual pitch competitions
- Enabled secure idea submissions and pitch browsing with role-based authentication, cutting unauthorized access by 40%
- Optimized performance with Next.js 15 (Partial Pre-rendering), shrinking average page load time by 30% across devices

CloudReach.AI | Python, RAG, LangChain, HuggingFace, Llama3

GitHub Link | Live Site

- Built an AI tool to craft personalized cold emails for job seekers, reducing manual effort by 70%
- Infused RAG with Llama3 for context-aware content, enhancing email relevance by 35% in user testing
- Automated job description & profile analysis, trimming content generation time from 5 mins to under 20s
- Refined personalization using HuggingFace models, lifting response rates by 18%

Multiple Diseases Classifier | Python, Flask, Streamlit, Supervised ML

GitHub Link | Live Site

- Constructed a machine learning model to classify heart disease, Parkinson's, and diabetes with 91% test accuracy
- Applied supervised learning techniques for precise diagnosis, boosting baseline accuracy by 12%
- Enhanced prediction reliability through preprocessing & feature tuning, cutting false positives by 15%