

# CHANDRAHASA MUTYALA

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## TECHNICAL SKILLS

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**Programming and databases:** React, Typescript, Tailwind CSS, Python, PostgreSQL, MySQL, MongoDB, JQuery

**Frameworks and Tools:** AWS Lambda, Redshift, S3, Rest APIs, GraphQL, Material UI, FastAPI, CI/CD, Kubernetes

**AI tools and Skills:** Prompt Engineering, LLMs, Multimodal RAGs, Crew AI Agents, Finetuning, Langchain

## WORK EXPERIENCE

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### Backstory AI

Founding Software Engineer, ML Products

Phoenix (AZ), USA

July 2024- Present

- Implemented AI voice training platform for Enterprise Sales and Product teams integrating **LlamaIndex** for knowledge retrieval and Elastic Search for vector embeddings leading to 60% increase in sales training efficiency.
- Architected **RAG** framework to create AI Sales Engineer, evaluated hallucinations and relevance using DeepEval and integrated 100+ data sources using APIs leading to increase in customers' interest by 95%.
- Developed frontend dashboards for training platform using **TypeScript**, Next.js; implemented 15+ components, optimized performance using Redux resulting in 20% improvement in load time and 25% user engagement.
- Designed 6 **REST APIs**, implemented user authentication using OAuth and designed scalable databases – PostgreSQL and Pinecone supporting 5000+ concurrent users and 99.9% uptime.

### Antler Venture Capital

Entrepreneur / Technical Lead

Singapore

Jan 2022 – Jun 2022

- Developed predictive models to assess creditworthiness based on stock portfolios, incorporating Machine Learning algorithms and statistical techniques for a 500B\$ addressable market.
- Gathered customer requirements and prototyped MVP for personalized loyalty membership platform for SMBs using **Typescript** and Node.js, enhanced usability and accessibility leading to 10x growth in customer signups.

### SAP Labs India Pvt. Ltd.

Senior Software Engineer (3 promotions)

Bangalore, India

Dec 2016 - Jan 2022

- Led technical design strategy by collaborating with product, design and ML teams to develop ESG compliance product for EU government using Flask microservices and React frontend reducing reporting time by 70%.
- Developed 4+ responsive features in inventory and operations for a retail Cash desk application using React and Tailwind CSS, scaled backend using AWS and integrated CI/CD leading to 60% increased feature usage.
- Researched commercial vs open-source solutions and did buy vs build recommendations for ML products by considering customizability and scalability leading to 40% reduction in development costs.
- Led customer demos and partnered with Sales team to develop predictive analytics proof of concept for workforce management SaaS resulting in 10M\$ enterprise contract and saving 1M work hours per month.
- Mentored and led a team of 8 engineers, established code standards to reduce technical debt, accelerating feature delivery and boosting revenue from \$1M to \$30M for a Hiring Management SaaS.
- Designed and developed Frontend part of the web application for world's largest cargo-shipping client; application capable of handling data and operations of more than 20,000 shipping containers per day.
- Engineered Learning Management system using NLP for personalized learning path generation and React UI for the frontend, deployed on AWS, resulting in an annual savings of 80,000 human hours for 10,000 users.

## EDUCATION

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### Arizona State University

Masters in Computer Science

Tempe, AZ

Aug 2022 – May 2024

### The National Institute of Engineering

Bachelor of Engineering, Computer Science & Engineering

Mysore, India

Sep 2012 – May 2016