Vamsi Krishna Nallapuneni

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EXPERIENCE

DOLLARBIRD TECHNOLOGIES | Software Developer
Dec 2025 – Dec 2025 | Mysore, India
- Architected a full-stack Learning Management System (LMS) using MERN technologies, optimizing the onboarding process for new employees.
- Implemented role-based access control (RBAC) for Admins, HR, and Managers; integrated the Gemini API for automated quiz generation and comprehensive analytics.
- Created a user-centric employee interface, enhancing engagement with training materials, interactive assessments, and instantaneous results tracking.

ALLSTATE INDIA | Application developer analyst III (intern)
Sep 2024 – Sep 2025 | Bangalore, India

- Developed a customer retention microservice using MERN stack and task reminders based on incoming data (IDs, comments) from teams
- Implemented rule-based AI logic to calculate personalized policy discounts based on behavioral factors (traffic rule adherence, early payment), enabling agents to offer tailored incentives and reduce churn, provided reminders for agents to engage with customers.
- Worked on Developing and Deploying 2 BluePrism Automations

PROJECTS

TWITTER CLONE |Technology : Mongo DB, Express Js, React Js, Node Js, Firebase | **Github Link**
- Developed a full-stack Twitter clone featuring user authentication (JWT/cookies), real-time tweet creation, following/unfollowing, and profile management.
- Built a scalable backend with strong API connections to save data in MongoDB Atlas and store images efficiently using Firebase.

MULTI-AI AGENT RAG CHATBOTS USING LANGGRAPH & ASTRADB |Technology : LangGraph, Multiple LLMs, AstraDB, RAG| **Github Link**
- Implemented LLM-based agent to classify and route domain vs. general queries.

AWS LAMBDA BLOG GENERATOR WITH BEDROCK & S3 BUCKET |Technology : AWS Lambda, AWS Bedrock, Amazon S3, Python, Boto3| **Github Link**
- Developed a serverless blog generation system using AWS Lambda and AWS Bedrock (Llama 3), automating the creation of AI-generated content based on user input, Stored generated blogs in Amazon S3 for scalable cloud.

TEXT-TO-SQL WITH GEMINI PRO, SQLITE & STREAMLIT |Technology : Google Gemini Pro, Streamlit, Python, SQLite, Dotenv| **Github Link**
- Built a natural language to SQL converter using Google Gemini Pro and SQLite.

EDUCATION

SRM UNIVERSITY AP
Bachelor of technology in Computer Science in AI | ML
2020-2024 | Amaravati, India
Cum. GPA: 8.44 / 10.0

SKILLS

PROGRAMMING
- Python • Java script • SQL

TECHNOLOGY
- Generative AI (Gen AI)
- Machine Learning (ML)
- Artificial Intelligence (AI)
- Deep Learning (DL)
- Natural Language Processing (NLP)
- Large Language Models (LLM)
- Blue Prism Automation

FRAMEWORKS AND TOOLS
- React JS • Node.js
- Express.js
- Streamlit
- Power BI
- BluePrism

CLOUD & DEVOPS
- Amazon Web Services (AWS) (Bedrock, Lambda, S3) • Git / Github
- MongoDB

DATABASES
- Vector Databases • ChromaDB
- MongoDB

OTHERS (COURSEWORK)
- Data Structures
- Software Development
- Model Fine Tuning
- LangChain
- RAG
- Hugging Face
- Transformers
- Neural Networks

RESEARCH PAPER

A Deep Learning Based Approach In The Prediction Of Tinnitus Disease For Large Population Data **IEEE LINK**
- This study leverages deep learning on EEG data to predict tinnitus severity and treatment outcomes, enhancing diagnosis and patient monitoring.