Naga Aswini Gandham

9866829595   Nagaaswini4@gmail.com   Bangalore

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As a versatile developer with a good foundation in Java and a rapid transition to Python and Machine Learning, I have proven my ability to quickly learn and adapt. With hands-on experience across Backend, Frontend, Database, and AI technologies, I've successfully implemented projects in Java Spring Boot, React, Python, Machine Learning, and Generative AI. Committed to continuous learning, I excel in leveraging advanced technologies and handling diverse roles, from feature development to deployment and support. I am passionate about growing in the field of Machine Learning and Generative AI, aspiring to build innovative applications that drive technological advancement.

Skills

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- LLM Models, GenAIs
- Statistical Skill
- Python and R
- Descriptive Statistics
- Inferential Statistics
- NLTK
- Numpy, Scikit-Learn, Pandas, Matplotlib
- NLP
- Machine Learning
- Back Of Words

- LaaMa 2, Mistral, Whisper, GPT3,3.5, llama2
- Databases - PostgreSQL, MySQL
- AWS, EC2, Docker, Linux
- GIT, Jira and Jenkins
- Word, Excel, PowerPoint
- CI/CD Pipeline
- Jupyter Lab, Jupyter Notebook, Spyder, Google Colab PyCharm, VsCode.
- Word To Vec
- BERT
- TFIDF

Experience

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Project 1

Sr Analyst | Python/ ML Developer
CAPGEMINI TECHNOLOGY SERVICES,
Bangalore *Jan 2024- Present*

Project Title: IKOn – Incident Knowledge Object Nano bot
Technical Skills: Python and its libraries, NLP, PostgreSQL, Git & Jenkins, CI/CD Pipeline, Docker, Cloud (AWS, Azure)
Description:
• Developed and implemented an advanced Capgemini tool for recommending top ten knowledge objects and proposing top three solutions for known incidents, significantly enhancing problem management efficiency.
• Automated identification of top three potential solutions for incident details using clustering, Cosine and Jaccard text similarities, and Named Entity Recognition (NER) to improve recommendation accuracy.
• Integrated Generative AI with Local LLMs to transform ticket summaries into actionable

resolutions, seamlessly converting them into knowledge objects.
• Established multitenant capabilities to enhance user experience.
• Streamlined deployment processes by implementing a comprehensive CI/CD pipeline utilizing Azure DevOps and Docker.
• Successfully deployed ML models on EC2 Linux servers through Jenkins and Azure Cloud Services integration.
• Created and managed task schedulers in windows and cron jobs in Linux environments for deploying models across various Capgemini accounts, facilitating intent prediction for ticket data.

Project 2
Analyst | Python/ ML Developer
CAPGEMINI TECHNOLOGY SERVICES,
Bangalore *Sept 2023- Jan 2024*

Project Title: RooCA - Root Cause Analyzer.
Technical Skills: Python and its libraries, NLP, PostgreSQL, Git & Jenkins, CI/CD Pipeline, Docker, Cloud (AWS, Azure)
Description:
• Developed a problem management tool to predict top cause codes and identify root causes of tickets using techniques such as Five Whys and Fishbone Analysis, ensuring permanent solutions and reducing ticket counts.
• Automated ticket clustering based on cause code confirmation, enhancing root cause analysis, enabling efficient Service Improvement Plans (SIPs) and long-term issue resolution.
• Enhanced ticket description analysis through advanced techniques including clustering, Cosine and Jaccard text similarities, and Named Entity Recognition (NER).
• Established robust multitenant capabilities to improve usability and user experience.

Project 3
Analyst | Python/ML Developer
CAPGEMINI TECHNOLOGY SERVICES, Bangalore
Nov 2023 – Jan 2024

Project Title: Auto Synthesis (Intent Prediction Tool)
Technical Skills: Python and its libraries, NLP Models, PostgreSQL, Git & Jenkins, CI/CD
Description:
• Developed an advanced intent prediction tool to accurately infer intents from text descriptions provided by users.
• Prepared training data using advanced techniques like Named Entity Recognition (NER), Topic Modeling, and Key Phrase Extraction to derive intents from unsupervised data, ensuring comprehensive data preparation.
• Implemented machine learning models including Support Vector Machine (SVM) and Random Forest to achieve high-accuracy intent predictions on test data.
• Ensured robust data management by storing results in a PostgreSQL database using Python, facilitating efficient data retrieval and analysis after each run for specific accounts.

Project 4
Analyst | Java Full Stack Developer
CAPGEMINI TECHNOLOGY SERVICES, Bangalore
Nov 2022 – Aug 2023

Project Title: Auto Synthesis (Intent Prediction Tool)
Technical Skills: Java, Spring boot, React, Spring data JPA, SQL, Git, Jenkins.
Description:
• Enhanced data security by applying JPA queries for robust column-level encryption and decryption.
• Integrated OAuth authentication for the Feed Service, fulfilling specific client security requirements.
• Created comprehensive reports and a dynamic search feature to facilitate deeper data analysis and improve user engagement.

Other Initiatives
Analyst | Java Full Stack Developer
CAPGEMINI TECHNOLOGY SERVICES, Bangalore
Nov 2022 – Present
Description:
• Developed an Excel to JSON conversion API to reduce reliance on third-party tools and streamline data processes.
• Created Ticket feed and log file monitoring APIs to maintain application health and performance.
• Automated data extraction from over 500 knowledge documents using an LLM model, significantly reducing manual effort for clients.
• Built a Secret Santa website to foster virtual interaction and engagement among colleagues, enhancing work-life balance.

Education

ECE (B.Tech)	**RGUKT-IIIT Srikakulam**	*2022*
M.P.C	**RGUKT-IIIT Srikakulam**	*2018*
SSC	**St. Vincent Palloti School**	*2016*

Achievements

- Selected for **NASA Ames Space Settlement Contest 2018** for the project "**Sarvaayush**", securing 3rd place in the Grade 11 category.
- **Prathibha Award** (2016) for achieving top grades in SSC.
- Qualified in Dakshin Bharat Hindi Prachar Sabha Exams (Prathmic to Visharad Poorvarad) with first-class distinction.
- Promoted within one year of joining the project, recognized as the best employee based on positive feedback.