Parth Singh

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EXPERIENCE

Amazon   Bengaluru, KA
Applied Scientist Intern   *June 2025 - Nov 2025*

EDUCATION

Indian Institute of Information Technology (IIIT), Nagpur   Nagpur, MH
Bachelor of Technology (BTech) in Electronics and Communication Engineering(IoT) | CGPA : 9.1   *2022 – 2026*

MG Convent School   Lucknow, UP
CBSE Class 12th (Percentage : 95.6)   *2021 – 2022*

ACHIEVEMENTS

Placed 50th in Amazon ML Challenge out of 78,000 participants. | *link*	2024
Placed in top 5 percentile in Adobe Gen-Solve Hackathon out of 60,000 participants. | *link*	2024
1st Place in Technalytics - Data/Business Analytics competition at Technex'24(IIT BHU). | *link*	2024
3rd Place in Vista - CNN competition at CodeFest'24(IIT BHU). | *link*	2024

PROJECTS

Cold Mail Generator for Services Companies ⧉ | *Python, Streamlit, LangChain, GROQ API, Vector Database*

- Developed a tool that extracts job listings from company career pages and generates personalized cold emails tailored to each job description, leveraging GROQ and LangChain.
- Integrated a vector database to dynamically link relevant portfolio content, ensuring highly customized and targeted communication with prospective clients.
- Implemented a user-friendly interface using Streamlit, simplifying the process for business development executives to generate emails in real-time.
- Enhanced outreach efficiency for software development companies by automating the cold email process, reducing manual effort and improving response rates.
- Ensured secure and scalable API integration using GROQ API for job listing extraction, adhering to best practices for data handling and privacy.

AI-Powered Customer Support and Insights Platform ⧉ | *Python, Llama - 3.1, Tableau, PostgreSQL, Docker, AWS*

- Utilized Llama - 3.1 LLM for end-to-end customer query processing and sentiment analysis, automating 80% of interactions with 95% accuracy.
- Integrated Tableau dashboards for real-time visualization of query metrics, sentiment trends, and support performance, enhancing insight accuracy by 40%.
- Aimed to manage up to 1 TB of customer interaction data using PostgreSQL for efficient data handling and retrieval.
- Deployed it on AWS with Docker, enabling scalable support for 100,000+ users and maintaining 99.9% uptime.

TECHNICAL SKILLS

CourseWorks: Deep Learning, Machine Learning, Data Analytics, Data Structures, Object Oriented Programming, Database Management System, Computer Networks, Internet of Things
Programming Languages: Python, Java, C++, R, SQL
Tools/Platforms:: GitHub, Docker, AWS, Ubuntu, PostgreSQL
Libraries: TensorFlow, Pytorch, scikit-learn, OpenCV, Mediapipe, Flask, Huggingface Transformers

CERTIFICATIONS

Stanford University Machine Learning Specialization | *link*	2024
Google Data Analytics Professional Certificate | *link*	2023

POSITIONS OF RESPONSIBILITY

Head of Student Placement Cell   September 2023 – Present
Training and Placement Cell, IIIT Nagpur