

Vaibhav Gulati

Senior Software Engineer @Incedo Inc.
B.Tech - Computer Science & Engineering

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Links

GitHub: /gulvaibhav20
LinkedIn: /vaibhav-gulati
Blog: gulvaibhav20.hashnode.dev

Skills

LANGUAGES

Python, Java, JavaScript

FRAMEWORKS

PySpark, OpenAI, Numpy, Pandas,
SpringBoot, FastAPI, Django

DATABASES

MySQL, PostgreSQL,
OracleDB, MongoDB

TOOLS

Microsoft Azure, Git/GitHub, Postman,
Docker, VS-Code, Jupyter, JIRA

OTHERS

Large Language Models (LLMs),
Generative-AI, IT Automation,
Natural Language Processing (NLP),
Data Science, Data Engineering,
Technical Writing, Research

Education

2018-2022

B.TECH (COMPUTER SCIENCE)

Bharati Vidyapeeth's College of
Engineering (GGSIPU), New Delhi
CGPA: 9.364 /10

2017-2018

SENIOR SECONDARY (12TH)

Kendriya Vidyalaya A.F.S.,
Tughlakabaad, Delhi
Percentage: 91.1%

Achievements

- Incedo Innovation & Customer Excellence award (2023)
- Hashnode Ambassador (Jun-2021)
- GCP (Qwiklabs) - Data Science & Kubernetes Quest Leader (2019)
- Hacktoberfest (Oct-2018)

Work Experience

Incedo Inc., Gurugram

JULY-2022 - PRESENT

Senior Software Engineer

- Designed an AI-assisted KPI-Tree generation module (via **LLMs & Prompt engineering**), enabling the generation of advanced KPI Trees that enhanced business operation insights & proactive decision-making.
- Engineered the back-end and AI functionalities for an internal request management system, resulting in increased user visibility into KPI-Tree cohort accounts and a **25%** growth in user engagement.
- Utilized **RASA** framework, prompt engineering, and **OpenAI LLMs** to design and implement a conversational AI chatbot, achieving a significant **40%** improvement in user request processing times.
- Increased financial audit efficiency by over **50%** by developing an internal reporting module that automates JIRA worklog capitalization reporting.
- Using PySpark improved core workflows, achieving **5x** performance gains.

Python, Gen-AI, PySpark, RASA, SpringBoot, RESTful APIs, PostgreSQL, OracleDB

Scaler | (10 Months)

Nov-2021 - Aug-2022

Freelance Technical Writer

- Demystified complex topics (OOPS, design patterns) through **27** engaging articles, empowering **18.1K** learners on the Scaler Topics platform.[[Link](#)]
Technical Content Writing, OOPS, Design Patterns, SQL, Java

Warpspeed Technologies Pvt. Ltd. | (2 Months)

AUG-2021 - OCT-2021

Backend Developer Intern

- Spearheaded the development of Queless, a community-driven online ordering platform, utilizing Django, RESTful APIs, and MySQL.

Python, Django, Backend Development, RESTful APIs

Projects

Automated Soft Skills Evaluator

[[Publication Link](#)]

- Developed AI-driven soft skills assessment tool utilizing webcam data for posture & vocal analysis. Provides feedback for individual skill development & enables organizations to evaluate employment potential.

Python, Posture Estimation, Speech-to-text, NLP, Computer Vision

Extractive Text Summarizer

[[Publication Link](#)] | [[Code Link](#)]

- Developed a novel-approach for extractive text summarization which combines the traditional lexical approach of TextRank analysis with modern bag-of-words BM25+ model to provide diverse content summarization.

Python, NLP, Textual Analysis, Machine Learning, TextRank, BM25+

Certifications

Microsoft Certified: Azure Fundamentals (AZ-900)

[[Credly Link](#)]

Google IT Automation - Professional Certification

[[Credly Link](#)]