

EDUCATION

- Indian Institute of Technology Bhilai (IIT Bhilai)

B.Tech in Computer Science; GPA: 8.00

Bhilai, Chhattisgarh  
Sep. 2020 – Mar. 2024
- Central Hindu Boys School (BHU)

Intermediate in Computer Science; GPA: 9.1
- Varanasi, India  
Aug. 2018 – Mar. 2020

EXPERIENCE

- MAQ Software

Software Development Engineer

Hyderabad, Telangana  
Apr. 2024 – Present

Scalable Application Development:

Developed a scalable application using **Spring Boot**, **.NET**, **C**, and **PySpark** to automate data ingestion from multiple databases, creating semantic models in **SQL** and **PySpark** to optimize data pipelines.

Data Pipeline & Modeling:

Built and optimized data pipelines with **PySpark** and **SQL**, creating semantic models for data visualization in **Power BI**, and improving reporting performance through advanced **SQL** queries and Spark job tuning.

Automated Discrepancy and Grammatical Error Detection:

Developed automated tools to detect discrepancies and grammatical errors in **Power BI** reports, ensuring data integrity and improving communication with stakeholders.

Technology Stack:

Leveraged **Spring Boot**, **.NET**, **C**, **Python**, **SQL**, and **PySpark** to deliver high-performance applications for data analysis and reporting.
- InterviewKickstart

Backend Engineer

Remote  
Aug. 2023 – Aug. 2024

Algorithmic Challenges:

Crafted and deployed algorithmic challenges on Arrays, Trees, Dynamic Programming, and Graphs using **Swift**, **Node.js**, and **Python**.

Team Leadership:

Led open-source projects and mentored a team of 10, guiding 50+ juniors across 40+ projects.

Code Review:

Developed test cases and reviewed code for interns, ensuring accuracy, efficiency, and optimal problem-solving.
- Cloudcraftz.AI

Software Developer Intern

Kolkata  
May 2023 – Jul. 2023

Semantic Search:

Developed semantic search features using **ChromaDB** and **Typesense** vector databases and embedding models to enhance search capabilities.

GCP Deployment:

Built and deployed a production app for semantic search, similar to Algolia, using **OpenAI** and **LLMs** on **Google Cloud Platform (GCP)**.

PROJECTS

- pythoncf:

A Python library for interacting with the Codeforces API in Terminal.

Features:

User info retrieval, rating graph visualization, contest details, problem filtering, rating changes, user submissions, and performance comparison.

Tech Stack:

Python, Codeforces API
- IntervuPro.AI:

GPT-powered interview preparation tool using Langchain, Python, and LLMs.

Features:

AI-driven interview simulation, personalized feedback, industry-specific question banks.

Tech Stack:

Langchain, Python, GPT/LLMs
- IIT Bhilai Lost and Found App:

Platform for item tracking, group chat, and alumni networking.

Tech Stack:

React.js, MongoDB, Node.js

KEY ACHIEVEMENTS

- AIR Rank 353, Google CodeJam Farewell Round A:

Achieved a global rank of 204 in the ICPC Mathura-Pune Region 2023.

5 Star on CodeChef (2014):

Recognized as a top performer with a 5-star rating.

Expert on Codeforces (Rating: 1649):

Attained the Expert level on Codeforces.

Guardian (Top 1% in the World) on LeetCode:

Achieved the Guardian status, placing in the top 1% globally.

Open-Source Contribution Award in Hacktoberfest 2022:

Awarded for significant contributions to open-source projects.
- SKILLS
- Programming Languages:

Python, C++, C, Swift, Node.js, JavaScript

Frameworks & Tools:

★ Spring Boot, .NET, PySpark, TensorFlow, Langchain, MERN, SocketIo, OpenAI

Databases:

★ MySQL, MongoDB, Chromadb, FAISS

Version Control:

★ Git, GitHub