Vaibhav Tiwari
Gorakhpur, Uttar Pradesh, India

in LinkedIn | 📱 8303644463 | ✉ vaibhavq83@gmail.com | GitHub | Medium | 💼 Portfolio

SKILLS

Programming Languages
- Python
- JavaScript

Databases
- MySQL
- PostgreSQL
- MongoDB

Cloud Platforms
- Google Cloud
- AWS
- Firebase

Web Development
- HTML
- Bootstrap
- CSS

Web Frameworks
- FastAPI
- Django
- Flask
- Node.js
- TypeScript

DevOps & CI/CD
- Docker
- Git
- GitHub Actions

Web Scraping
- Scrapy
- Beautiful Soup

Tools
- Figma
- Postman

EDUCATION

- **Krishna Engineering College, Ghaziabad**
  B.Tech in Computer Science and Engineering, August 2024

- **J.P Education Academy, Gorakhpur**
  Senior Secondary School (C.B.S.E), March 2020

ACHIEVEMENTS

- 5-star rating in HackerRank for SQL
- 5-star rating in HackerRank for Python

CERTIFICATES

- Cloud Digital Leader Certification, Google
- AWS Cloud Certificates, Amazon Web Service
- Python Certification, StudySection
- HTML and CSS Certification, FreeCodeCamp

EXTRACURRICULAR ACTIVITIES

- Class Representative in 1st and 2nd year at Krishna Engineering College
- School Captain during my 12th grade and House Prefect in the 11th grade at J.P. Education Academy

PROFESSIONAL SUMMARY

Results-oriented Software Developer with a strong focus on back-end development, cloud engineering, and AI-driven solutions. Successfully optimized processes to enhance performance and reduce costs while deploying scalable infrastructures. Proven experience in automating workflows, streamlining data processing, and creating high-performance applications. Eager to continue learning and growing in the tech industry.

EXPERIENCE

Backend Developer Intern — March 2024- June 2024
House of Web3 (Remote)
- Optimized back-ends for an **Airdrop website** and **crypto platform** using **TypeScript**, enhancing performance and engagement. Implemented a **CI/CD pipeline** and integrated **AWS** to ensure seamless deployment and scalability.
- **Refactored algorithms** and created **scalable APIs**, reducing server load and improving processing speeds across applications.
- **Automated data extraction** from various websites and developed a **Python** and **FastAPI** framework, increasing processing speed by **40%**.
- Integrated the notification system with **WhatsApp API via Wati**, significantly **enhancing customer engagement**.

Freelance Cloud Engineer — February 2024- April 2024
Mastervance (Remote)
- **Optimized AWS infrastructure** for an **EdTech** site, boosting performance by **35%** and cutting costs by **25%**. Implemented **scalable** and **secure solutions** to support up to **10,000 concurrent users**.
- **Managed AWS deployment** for a high-performance EdTech platform, using **EC2, S3, RDS, Lambda, SQS, Load Balancer** and **CI/CD** for **scalability** and **security**. Implemented Auto Scaling and monitoring to ensure **99.99% uptime**.

Software Developer Intern — August 2023 - December 2023
LaunchX Labs (On-site: Bengaluru)
- Designed and implemented the **back-end architecture for a mobile application**, facilitating seamless reading and audio playback of books for users.
- Constructed a software using **Python** and **PyQt** that can **transform text into audio**, which **increased the efficiency of conversion to 70%**.
- The backend of a **promotional website** using the **FastAPI** framework, leading to a significant **75%** improvement in **server efficiency** and **resource management**.

Python Developer Intern — July 2023 - August 2023
Darshil IT (Remote)
- **Redesigned software** comprehensively, including the **GUI**, **database**, **hardware integration**, and **cloud server**. Achieved a **60%** improvement in **loading speed** and a **50%** increase in **overall software efficiency**, reliability, and security.
- Leveraged **Python** and **PostgreSQL** for database management, showcasing skills in **Docker** and **GCP**. Improved user experience and system functionality through targeted optimizations.

PROJECTS

YouTube Video Transcriber 🔗
- Developed a web-based application that converts **spoken words in YouTube videos into written text**. Users can paste a YouTube video link, transcribe the video, and use the transcribed text to **answer queries about the video content**.
- Employed **Python** and **Streamlit** for development and **PostgreSQL** for database management. Demonstrated skills in logic implementation, **Docker** use, and management of **Google Cloud** resources.

Finding Similarities Between Files 🔗
- Developed a comprehensive **document analysis system** using **Python, NLTK, Langchain, extracting significant patterns** and trends for data interpretation between files.
- Utilized **TFIDF, Word2Vec, Vector,** and **GloVe models** for effective **clustering**, achieving coherent groups. The code is compatible with **Google Cloud** systems, leveraging cloud storage such as **Google Cloud Bucket**.