

EXPERIENCE

Software Developer I

House of Web3 (Remote)

July 2024 - August 2024

- Built a **back-end** for a **crypto influencer platform** with seamless blockchain integration. Created a **RESTful API** using **TypeScript** and **Python** for blockchain integration with best **boilerplate practices**, reducing **codebase errors** by 30%. Deployed via **CI/CD pipeline**, supporting up to **1,000 requests per minute**.
- Developed and automated a **notification system** using **Python** and the **FastAPI framework**, integrated with **Wati** for **WhatsApp API** delivering updates and ads directly to customers. This improved **order notifications** and **engagement**, boosting **customer interaction** and cutting **manual tasks by 50%**, leading to a marked increase in **campaign effectiveness**.
- Optimized the AI image generation pipeline with **TensorFlow**, cutting **processing time by 30%** and **improving output quality**. Enhanced resource allocation for more efficient high-resolution image generation, **boosting productivity** and **reducing costs**.

Back-end Developer Intern

House of Web3 (Remote)

March 2024 - June 2024

- Engineered and optimized the back-end for an Airdrop web application using **Next.js**, improving performance. Refactored algorithms and designed scalable **APIs** to enhance processing speed and reduce server load.
- Automated data extraction from **10 websites** using **Python** and **Beautiful Soup**, increasing processing **speed by 40%**. Optimized web scraping techniques and data pipelines for accurate and **efficient data collection**.
- Developed a system for extracting data from **PDF** and **DOC files**, and **generating MCQs** and **summaries** using **OpenAI API** and **Gemini API**. Implemented **text chunking** and **tokenization techniques**, processing up to **1,000 documents** per day.

Freelance Cloud Engineer

Mastervance (Remote)

February 2024 - April 2024

- Successfully set up and optimized **AWS** infrastructure for an **EdTech website**, improving **system performance by 35%** and **reducing operational costs by 25%**. Implemented scalable solutions and enhanced security measures, ensuring a seamless and efficient cloud environment capable of handling **up to 10,000 concurrent users**.
- Expertly managed deployment of a high-performance **EdTech platform** on **AWS**, utilizing **EC2** for scalable compute, **S3** for secure storage, **Load Balancer** for traffic distribution, **Route 53** for DNS management, **VPC** for network isolation, **SES** for email services, and **CloudWatch** for monitoring. Implemented **Auto Scaling** to ensure **99.99% uptime** and optimal performance.

Software Developer Intern

LaunchX (Bengaluru)

August 2023 - December 2023

- Designed and implemented the back-end architecture for a mobile application using **FastAPI** and **Python**, enabling seamless reading and audio playback of books. Achieved a **20% reduction** in response times and ensured scalable, high-performance.
- Constructed a software using **Python** that can **transform text into audio**, which increased the efficiency of conversion to 70%.

PROJECTS

YouTube Video Transcriber

- Developed a web-based application using **Python** and the **OpenAI API** to convert spoken words in YouTube videos into written text. Enabled users to paste video links for transcription and query the text for insights within minutes.

Finding Similarities Between Files

- Developed a document analysis system using **Python**, **NLTK**, and **Langchain** to extract patterns and trends, leveraging **TFIDF**, **Word2Vec**, **Vector**, and **GloVe** models for effective clustering. Integrated with **Google Cloud** for storage and deployment.

EDUCATION

B.Tech in Computer Science and Engineering,
Krishna Engineering College, Ghaziabad,
October 2020 - July 2024
CGPA: 7.38

Senior Secondary School (C.B.S.E),
J.P Education Academy, Gorakhpur,
March 2019 - March 2020
Percentage: 70%

SKILLS

- Programming Languages:** Python, JavaScript
- Databases:** MySQL, PostgreSQL, MongoDB
- Cloud Platforms:** AWS, Google Cloud
- Web Development:** HTML, CSS, Bootstrap
- Web Frameworks:** FastAPI, Flask, Django, Node.js, Next.js, TypeScript
- DevOps and CI/CD:** Docker, Jenkins, GitHub Actions, Git
- Web Scraping:** BeautifulSoup, Scrapy
- Tools:** Postman, Figma

CERTIFICATIONS

Cloud Digital Leader Certification, Google

AWS Cloud Certificates, Amazon Web Service