

EXPERIENCE

Software Developer I

House of Web3 (Remote)

July 2024 - Present

- Created a back-end for a **crypto exchange platform**, enabling seamless transactions using **MetaMask**. Implemented a **RESTful API** using **TypeScript** and following best boilerplate practices, resulting in a **30% reduction in codebase errors**. Deployed via a CI/CD pipeline, ensuring smooth updates and supporting up to **1,000 transactions 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** and a **RESTful API**, improving performance and responsiveness. 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 **PyQt** 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 **OpenAI API** to convert spoken words in YouTube videos into written text, processing over **1,000 videos**. 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