

# MD. ZAHID HASAN

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## OBJECTIVE

Python developer with 2+ years of experience building AI-powered intelligent applications, chatbots, and web solutions. I specialize in turning complex AI concepts into practical business tools. My work spans from creating custom LLM-based chatbots to building full-stack e-commerce platforms. I combine strong technical skills in machine learning and web development with a genuine curiosity for emerging technologies. I'm looking for a role where I can contribute to meaningful projects while growing alongside a team that values innovation and continuous learning.

## PROFESSIONAL EXPERIENCE

**BrainSpark Digital, Python Developer** 2023 – present

- Built 5+ custom AI chatbots using Large Language Models (LLMs) and deep learning for various business use cases, helping clients automate customer support and lead generation
- Designed and deployed Agentic AI workflows that automate complex business processes, reducing manual work by 40% for clients
- Created the company's full website using Django, which directly contributed to a 60% increase in client inquiries
- Implemented RAG (Retrieval-Augmented Generation) systems to improve chatbot accuracy and contextual understanding
- Worked with FastAPI and Flask to build scalable backend APIs for AI applications

**Technologies used:** Python, Django, FastAPI, Flask, OpenAI API, Google AI studio API, Agno, LangChain, PostgreSQL, Docker, Git

**Abacus Computer, Internship** 2018 – 2019

- Contributed to the development of an e-commerce website project.
- Assisted with system administration and networking tasks within the office, gaining practical experience in maintaining internal systems.

## PROJECTS

### AI-Powered Malware Detection System | Research Project

- Researched and developed a malware detection system using AI that converts binary files into images and classifies them using deep learning
- Achieved high accuracy in identifying malicious software patterns through computer vision techniques
- Tech Stack:** Python, TensorFlow, Computer Vision, Image Classification

### Full E-Commerce Platform | Personal Project

- Built a complete e-commerce website from scratch with Django, including user authentication, product catalog, shopping cart, and payment integration
- Implemented admin dashboard for inventory management and order tracking
- Tech Stack:** Django, PostgreSQL, HTML/CSS, JavaScript

### Gemini Nano Image Recognition App | Hackathon Project

- Developed "Banana" image recognition app using Google's Gemini Nano during a hackathon
- Created an AI-powered tool that identifies and classifies images in real-time
- Tech Stack:** Google Gemini API, Python, Computer Vision

## EDUCATION

**Computer Science & Engineering (B.Sc.),**  
*Uttara University*

2019 – 2023 | Dhaka, Bangladesh

- Cumulative GPA: 3.96 out of 4.0

**Diploma Engineering in Computer Technology,**  
*Model Institute of Science & Technology (MIST)*

2014 – 2018 | Gazipur, Bangladesh

- Cumulative GPA: 3.27 out of 4.0

**Secondary School Certificate (S.S.C),**  
*Rani Bilashmoni Govt. Boys High School*

2010 – 2013 | Gazipur, Bangladesh

- GPA: 5.0 out of 5.0

## SKILLS

### Programming

#### Languages

Python, C, C++, Java

### Machine Learning & AI

- Traditional Machine Learning and Deep Learning
- Computer Vision (YOLO, Image Classification)
- Large Language Models (LLMs) and Prompt Engineering
- RAG (Retrieval-Augmented Generation)
- Agentic AI and AI Workflows

### Other Skills

Business Process Automation, Python Scripting, API Development, Research & Documentation

### Web Development

- Backend: Django, Flask, FastAPI
- Frontend: HTML, CSS
- Databases: PostgreSQL, SQLite, SQL
- SEO: Technical SEO, Entity SEO

### Software Tools & Platforms

Git, Docker, GitHub, Linux CLI Tools

## LANGUAGES

Bangla

English

## INTERESTS

- Reading
- Travel
- Gardening
- Learning New Technologies

## DECLARATION

I hereby declare that all the information provided in this resume is accurate and true to the best of my knowledge and belief. I am responsible for the authenticity of the details mentioned.

Md. Zahid Hasan