

# Pravakar Das

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[Portfolio](#) | [GitHub](#) | [LinkedIn](#)

## Professional Summary

Backend Full-Stack Developer with expertise in Python, JavaScript, Flask, React, Next.js, Machine Learning, and MLOps. Skilled in building scalable web applications, REST APIs, AI-driven solutions, and working in Agile environments.

## Technical Skills

- Python, JavaScript, Node.js
- Flask, React, Next.js, Three.js
- MongoDB, MySQL
- REST APIs, Git, Linux, Vercel, Render
- Machine Learning, Computer Vision, MLOps, YOLO
- Agile, CI/CD, Cloud Deployment

## Experience

### Backend Developer

RenderLab, Remote

Sep 2025 – Present

- Developed backend services and REST APIs using Python, Flask, Node.js.
- Implemented Docker-based deployments, JWT authentication, and cloud hosting.
- Collaborated with frontend teams using Git and Agile methodologies.

## Key Projects

### IntegraFlow

[GitHub](#) | [Live](#)

Next.js, Node.js, MongoDB – ERP with HR, workflow automation, role-based access.

### Employee Attendance Portal

[GitHub](#)

Python, Flask, OpenCV – Facial recognition attendance system.

### Auris

[GitHub](#) | [Live](#)

React, Node.js, Express, MongoDB, Firebase – Hotel booking platform.

### Essential Tools

[GitHub](#) | [Live](#)

Python, Flask, PDF libraries – PDF processing toolkit.

### HostCast

[GitHub](#)

Python, Socket Programming – LAN file sharing and screen mirroring.

### Arena Strike

[GitHub](#)

Python, OpenGL, MediaPipe – 3D cannon-defense game with gesture controls.

## Research Publications

### AP-GAN: Attention PatchGAN for Low-Light Underwater Image Enhancement

Paper

Developed novel GAN-based architecture for underwater image enhancement; achieved significant improvements.

## Certifications

### MLOps Fundamentals

[\(DataCamp\)](#)

### AI in Office Administration

[\(Udemy\)](#)

### Comprehensive Web Development: HTML5, Python, Flask Framework

[\(Udemy\)](#)

## Education

### B.Sc. in Computer Science

BRAC University, Dhaka, Bangladesh

2022 – 2025

CGPA: 2.8/4.0

### Higher Secondary Certificate (Science)

Islamia Degree College, Chattogram, Bangladesh

2020 – 2022

GPA: 4.93/5.0

### Secondary School Certificate

Hazi Md. Mohsin Govt. High School, Chattogram, Bangladesh

2012 – 2018

GPA: 4.84/5.0

## Activities & Competitions

### BRAC University Computer Club (BUCC)

2023 – 2024

Member contributing to technical and organizational activities.

### NASA Space Apps Challenge 2024

October 2024

Developed 3D AI-driven solar system visualization platform integrating NASA APIs with interactive VR features.

## Languages

English – Professional Proficiency

Bengali – Native