

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

Sep 2025 – Present

RenderLab, Remote

- 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)

Member contributing to technical and organizational activities.

2023 – 2024

NASA Space Apps Challenge 2024

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

October 2024

Languages

English – Professional Proficiency

Bengali – Native