

# Udayan Shil

Backend Software Engineer

udayanshil123@gmail.com | +919851683114 | Galimpur, Shyamchak, Debra, Pachim Medinipur, 721301

Linkedin: <https://www.linkedin.com/in/udayan-shil-9b0b1a252/>

## Summary

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- Backend Software Engineer with 1+ years of professional experience in backend development, REST API design, and scalable web application development using Laravel, NestJS, PostgreSQL, and MySQL. Experienced in authentication systems, database optimization, debugging, and production support for enterprise and government-based applications. Currently pursuing MCA (2025–2027) after completing BCA with 8.6 CGPA.

## Education

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- Future Institute of Engineering & Management  
Master of Computer Applications (MCA) Sonarpur, Kolkata 700150  
December 2025 – July 2027
- Future Institute of Engineering & Management  
Bachelor of Computer Applications (BCA)  
CGPA: 8.60 Sonarpur, Kolkata 700150  
August 2022 – July 2025
- Shyamchak Jnanendra High School(H.S)  
Degree in Higher Secondary (PCMB) Shyamchak  
Percentage: 89.6% August 2021 - July 2022
- Shyamchak Jnanendra High School(H.S)  
Degree in Secondary Shyamchak  
Percentage: 81.57% January 2019 - July 2020

## Experience

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- Albatross Software Services Pvt. Ltd. | Backend Software Engineer** April 2025 – Present
  - Designed and implemented RESTful APIs using Laravel and NestJS for government web portals, handling authentication, role-based access, and data validation
  - Handling database architecture and performance optimization
  - Ensuring application scalability and responsiveness across projects
- Youth Career Hub | Backend Developer Intern** December 2024 – January 2026
  - Developing and maintaining backend systems for the company's social platform.
  - Responsible for server-side logic, API integration, database design and optimization using Laravel and MySQL.
  - Collaborating with the team to implement scalable and secure solutions.

## Skills

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**Programming Languages:** PHP, JavaScript, Python, Java, C

**Frontend Technologies:** HTML5, CSS3, React.js, Bootstrap, Ajax/jQuery

**Frameworks/Libraries:** Laravel, NestJS, REST APIs

**Databases:** MySQL, PostgreSQL

**Tools/Platforms:** Git, Postman, Linux, VS Code, Navicat, PgAdmin, FileZilla, WinSCP, SVN

**Other:** MVC Architecture, JWT Authentication

## Projects

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- **Government Web Application Modules**      Laravel, NestJS, PostgreSQL, MySQL, REST APIs

Worked on backend development and maintenance for multiple Government of West Bengal web applications and administrative portals.

- Developed and maintained RESTful APIs and backend modules.
- Implemented authentication, role-based access control, and secure data validation.
- Optimized database design and improved backend performance for production systems.
- Worked on scalable backend architecture and production issue debugging.

### Projects Worked On:

- [UDMA West Bengal](#)
- [West Bengal Labour Welfare Board Booking Portal](#)
- [W.B.C.S. \( Executive \) Officers' Association](#)
- [Labour Department, Government of West Bengal](#)
- [Labour Commissionerate, Government of West Bengal](#)

- **SANSKRITI**      PHP, HTML, CSS, JavaScript, Ajax/jQuery, Bootstrap, MySQL

Developed a cultural event and tourism management platform enabling users to explore and participate in cultural festivals worldwide.

- Built modules for event booking, guide management, authentication, and chatbot support.
- Developed role-based dashboards and dynamic frontend interactions.
- Designed backend workflows and optimized database operations.

## Certifications

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- Web Development with PHP, Laravel - Blue Keyboard Software
- Data Structure & Algorithm - Indian Institute of Education & Social Reforms.
- MERN Stack Development - Euphoria GenX

## Volunteer Experience

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### Volunteer and Working Committee

Apr 2023 - Mar 2024

- Culrav - The Cultural Club of Future Institute of Engineering and Management.

## Interests

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- Playing Harmonium.
- Listening Instrumental Music.

## Personal Profile

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Name:	Udayan Shil
Parents:	Shadip Kumar Shil and Bithika Sil Samai
Date of Birth:	01/09/2005
Gender:	Male
Blood Group :	AB-
Marital Status:	Single
Nationality:	Indian