

# Bikash Pokhrel

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## Profile

An enthusiastic engineering student with a background in web development and cloud technologies. Passionate about mathematics and computer science with experience in developing practical projects. Looking for a position to apply my skills and interests in a dynamic work environment.

## Skills

**Programming Languages:** JavaScript, TypeScript, Python, C++

**Web Development:** MERN Stack (MongoDB, Express.js, React, Node.js), Next.js, TailwindCSS, FastAPI

**Databases:** MySQL, MongoDB, Redis

**DevOps and Cloud:** Git, GitHub, Docker, AWS

## Additional Skills

**Teaching:** Experienced in teaching mathematics to High School(+2) students and B.E Entrance appearing students. Developed and delivered effective lectures on topics such as Calculus, Set Theory, Vector Analysis, and Coordinate Geometry.

## Education

### Samudayik Saraswati English Boarding School, Morang

*School Level Education*

2006-2019

### Arniko College, Biratnagar

*High School*

2019-2021

Relevant Coursework: Physics, Mathematics

### Institute of Engineering, Pulchowk Campus

*Bachelor of Electronics, Communication and Information Engineering*

2022-2026

Relevant Coursework: Object Oriented Programming, Computer Networks, Operating Systems, Data Structure and Algorithms, Database Management Systems

## Projects

- **Authentication System using NextJS**

Authentication system involving features like SignUp, Login, Profile, Email Verification, Password Reset, JWT based Authorization

*Technologies Used:* NextJS, Mongoose, TailwindCSS, Shadcn, Nodemailer

*Github:* <https://github.com/thebikashpokhrel/Authentication-System-using-NextJS>

- **Postify Backend**

Backend for Postify - a minimal blogging platform done as part of DBMS Project

*Technologies Used:* ExpressJS, MySQL, SQL

*Github:* <https://github.com/thebikashpokhrel/Postify-dbms-backend>

- **3\*3 Number Puzzle Solver**

3\*3 number sliding puzzle solver implemented using BFS algorithm

*Technologies Used:* C++, SFML

*Github:* <https://github.com/thebikashpokhrel/3-by-3-Number-Puzzle-Solver>

## Certifications

- **AWS Certified Solutions Architect - Associate**

Amazon Web Services

Issued: Oct 2024

Credential Link: [AWS Certification Verification](#)