

# DIPENDRA SHRESTHA

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## EDUCATION

**BACHELOR IN COMPUTER APPLICATIONS**, PURBANCHAL UNIVERSITY (KANTIPUR CITY COLLEGE)

2016 – 2020

Purbanchal University Merit Scholar

Secured 3.48/4.0 GPA

## EXPERIENCE

**SOFTWARE ENGINEER**, UBA-SOLUTIONS / MONOTYPE

NOV 2022

- Re-architected multi-page web app into a single page web app using Nuxt/Vue.
- Created Data Migration pipeline of Web Fonts and Projects from MSSQL to MySQL DB.
- Extensively worked with distributed apps, microservices, and message brokers (RabbitMQ).

**SOFTWARE ENGINEER**, FUSEMACHINES

OCT 2021

- Worked with full-stack apps involving NestJS, NextJS, Elasticsearch, AWS etc.
- Conduct Knowledge Sharing Sessions (KSS) and mentor Associate/Intern developers.
- Researched on reactive UI library, built multiple prototypes using SolidJS and Svelte.

**SOFTWARE ENGINEER**, LEAPFROG TECHNOLOGY

JULY 2020 - OCT 2021

- Orchestrated Node JS Azure Function and Power Platform integration for Immunization Information System (IIS).
- Design system architecture, system flows and data processes.
- Analyze requirements, system feasibility and specifications, communicate with clients.

**ASSOCIATE SOFTWARE ENGINEER**, LEAPFROG TECHNOLOGY

SEPT 2019 – JULY 2020

- Built Node API endpoints for internal HR project, worked with Knex
- Web resource scripting with JS/TS and plugins with C# on Dynamics Platform
- Developed PCF components with TS for Power Platform

**SOFTWARE ENGINEERING INTERN**, LEAPFROG TECHNOLOGY

JULY 2019 – SEPT 2019

- Worked with fundamental web technologies (HTML, CSS, JS)
- Developed platformer game project with 2D tile map implementation
- Gained foundation of RESTful API development using Node and Express

## SKILLS

- **Programming Languages:** JavaScript, TypeScript, C#, Java, C/C++, Go, Rust, Python, OCaml, Haskell
- **Database:** PostgreSQL, MySQL, MSSQL, MongoDB, Redis
- **Libraries & Frameworks:** NodeJS, Express, NestJS, NextJS, React, Vue, Svelte, Solid, Django
- **Cloud Platforms:** AWS, Azure
- **Tools:** Git, Docker, Bash, LLVM

## PROJECTS

### OTG Flo Xgen

- OTG Flo Xgen is a digital platform that provides food ordering service from the airport terminal in a convenient way.
- Tech Stack: NextJS, NestJS, AWS, ArgoCD
- URL: <https://flo.io>

### Deliverfund Pathfinder

- Deliverfund Pathfinder is a digital platform that provides various indicators for identifying human trafficking.
- Tech Stack: React, Django, PostgreSQL, Elasticsearch
- URL: <https://deliverfund.com>

### Managed Vaccination Solution (MVS)

- An efficient, end-to-end managed vaccination solution. MVS is a digital platform for registering and scheduling vaccination appointment primarily for COVID vaccines. The system includes three separate applications for complete patient record management for vaccine administration.
- Tech Stack: React, NodeJS, Microsoft Power Platform, Azure app services
- URL: <https://www.signetic.com>

### Hopelink Community Services Platform (CSP)

- Hopelink is a nonprofit that provides services that people can access are food banks, transportation, housing, education, financial assistance, energy assistance, and more.
- Tech Stack: Microsoft Power Platform, C#, JS, TS, MSSQL, Power BI
- URL: <https://www.hopelink.org>

### Helping Hands – Undergraduate Project

- Helping Hands is a web platform for needy people to request emergency services and goods as well as allow capable people to offer information & help to needy people with twitter like posts.
- Tech Stack: Blazor, ASP.NET, Entity Framework Core, MSSQL
- Repo: <https://github.com/dipushrestha/helping-hand>

### Certifications:

- Algorithmic Toolbox (UC San Diego Coursera)
- Microsoft MB-200 (Microsoft Power Platform + Dynamics 365 Core)
- Microsoft PL-100 (Microsoft Power Platform App Maker)
- Microsoft PL-200 (Microsoft Power Platform Functional Consultant)