

PRABIN KUMAR SHRESTHA

SOFTWARE DEVELOPMENT
ENGINEER

www.prabinkumarshrestha.com

PERSONAL PROFILE

I am an energetic and ambitious person who has a strong desire to learn new things, with proven technical, organizational, and communication skills.

I am always keen to research, study, and learn new things to extend the volume and range of my professional experience, and eventually develop my knowledge and potential.

CONTACT INFORMATION

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SKILLS

Programming

C# | .NET | Entity Framework | JavaScript | TypeScript | Angular, Angular Material | React | jQuery | Python | Pandas, NumPy | Flutter | HTML | CSS | C++ | CI-CD

Database

SQL Server/MSSQL | PostgreSQL | MySQL | MongoDB | Redis Cache

Cloud Services

Rackspace | Azure Services: Azure Queue, Azure Blob Storage, Azure Cache for Redis, Azure Functions, Azure DevOps

Software

Visual Studio | VS Code | Jet Brains IDE | GIT/TFS | SSMS | Azure Data Studio | Jupyter | Robo 3T

Leadership

- Lead a team of [Athrill Technology](#)
- College Basketball Captain (2016-2019)

Soft Skills

Good Communication | Problem Solving | Decision Making | Research | Analysis

EDUCATION

[Memorial University \(MUN\), Canada](#)

Master of Applied Science in Software Engineering |
09/2022-Present

- Courses

- Software Fundamentals, Software Design and Specification, Software Verification and Validation, Software Engineering
- Advanced Computing, Applied Algorithms

[Thapathali Campus, Tribhuvan University \(TU\), Nepal](#)

Bachelor in Electronics and Communication Engineering |
11/2015-08/2019

- Among Top 5 students

- Courses

- Computer Programming (C), Object-Oriented Programming (C++), Microprocessor
- Computer Organization and Architecture, Computer Graphics, Computer Network, Discrete Structure
- Artificial Intelligence, Big Data Technologies, Data Mining
- Mathematics: Calculus, Linear Algebra, Probability & Statistics

- Capstone Projects

- [IOT based Smart Mirror](#) (Python, NumPy, Open CV - Face recognition, Web Application - PHP, JS, Raspberry Pi)
- [Alcohol Detector with Vehicle Controlling and GPS Detection](#) (C, WinAVR, GPS, GSM, ATmega32, Alcohol Sensor, Motor Driver)

[St. Xavier's College, Nepal](#)

Higher Secondary Education Board (HSEB) | 07/2013 - 08/2015

EMPLOYMENT HISTORY

Software Development Engineer (SDE)

[Dolphin Dive Technology Pvt. Ltd.](#) | 09/2019 - 08/2022

- Projects

- Workflow Management System - [Pension Pro](#), Harrisburg, PA, USA

- Responsibility

- Redeveloped windows desktop application in web platform using .NET and Angular in a team
- Helped new developers about the underlying business specific knowledge, project structure, development and debugging
- Integrated Redis and different Azure services to handle big data and maintain performance
- Resolved more than 200 production bugs along with research and development of new features
- Database management including design, create, modify, and optimize using SQL Server

Software Developer - Freelance

[Riham of Information Technology](#) | 04/2020 - 08/2022

- Projects

- Twitter Analytic Service | Dating App Services

- Responsibility

- Wrote optimized code to process a large number of data in .NET and profiled the performance in Azure Data Studio
- Developed services for live chat using .NET, SignalR, and Firebase

Web Developer

[Nectar Digit Pvt. Ltd.](#) | 11/2018 - 07/2019

- Projects

- E-commerce websites | [Job Portal - CCS Nepal](#)

- Responsibility

- Design, plan and develop the web application according to the business requirements with constant communication with client
- Helped fellow developers, and tutored basic programming to interns

CERTIFICATES

[Introduction to Data Science in Python](#)

Coursera - University of Michigan

[Python for Data Science, AI & Development](#)

Coursera - IBM

[Python Project for Data Science](#)

Coursera - IBM

[The Data Scientist's Toolbox](#)

Coursera - Johns Hopkins University

EXTRA ACTIVITIES

- Volunteer Tech Gyan 2.0 event in the college
- Judge of Information Communication Technology (ICT) Fair held at Lalitpur Secondary Boarding School (LMV)
- Co-Ordinator of several major basketball tournaments
- Captain of a College Basketball Team (2016-2019) - Thapathali Campus, and led the team for Several Runner Up awards
- Won Top Scorer Award in a basketball tournament
- Volunteered as an Official in intra-college tournament
- Volunteered Coaching Girl Basketball Team of Thapathali Campus
- Patrol Leader of one of the junior Scout Team in school at age 13, and volunteered in managing the mass in Krishna Janma Astami - a big festival in Patan Durbar Square, Nepal

LEADERSHIP

ATHRILL TECHNOLOGY

Leader | 12/2019 - Present

- Created a team (Athrill Technology) at the end of 2019 to teach programming to interested people, develop skills among the team, and work on innovative ideas
- Led the team of a web designer, software developers, and quality control testers
- Shared software development practice to more than 5 new developers from scratch to real-world projects
- Discussed different innovative ideas within a team and related professional people, and possibilities to implement them
- Designed and planned development of the software, and divided the tasks among the team to work on SCRUM process
- Technology: C#, .NET, MSSQL, Angular (with Angular Material), React, Flutter, Android, Java, Azure Devops, CI-CD
- Projects: Athrill Technology Website | Learn Nepal | Inventory System | Athrill Gyan | Mangal Production

PROJECTS

Pension Pro

Workflow Management System in the USA - researched and developed new features, production bugs fix, assisted juniors - .NET, Angular, Azure Services, Redis, MSSQL, jQuery

Learn Nepal

Learning Platform by own team Athrill Technology based on Nepal which is under development - led a team for whole process: planning, design, database, backend, and frontend - NET WEB API, MSSQL, Javascript, Typescript, Angular, Angular Material, Flutter, Dart, Figma, Azure Devops, CI-CD, HTML, SCSS

CCS Nepal - Job Portal

Multi-vendor Job Portal based on Nepal - completed whole application alone - PHP, Code Igniter, MySQL, JavaScript, jQuery, AJAX, HTML, CSS

Capital Nepal - News Portal

Popular News Portal of Nepal - supported colleague developer in the software development - PHP, Code Igniter, MySQL, JavaScript, jQuery, AJAX, HTML, CSS

Website of Athrill Technology

A fully dynamic responsive website of my team "Athrill Technology" - designed, planned and distributed the tasks among the team to work on SCRUM process - C#, .NET Core WEB API, Javascript, Typescript, Angular (Angular Universal Integrated), MSSQL, HTML, SCSS

Inventory Management System

Mobile application to manage the personal transactions (along with data visualization) and card informations (with QR Code) - Designed, Planned and developed the software - Flutter, BLOC Architecture, .NET - WEB API, MSSQL

Flutter Chat Application

A demo mobile application to demonstrate chat features using SignalR - Flutter, BLOC Architecture, SignalR

.NET Web API and Angular Demo Project

A demo project to show the design pattern of .NET and Angular (synced with each other) - C#, .NET, Entity Framework, MSSQL, Angular

[More Projects](#)