

MANOJ KC

github.com/ManojKC123

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Personal Statement

Software Engineer,

Enthusiastic software engineer with a proven track record of leveraging advanced data manipulation techniques to extract meaningful insights from complex datasets. Skilled in designing, developing, and optimizing data processing pipelines, I am passionate about transforming raw data into actionable information. With expertise in both coding and data analysis, I bring a unique blend of technical and analytical prowess to every project.

Employment Experience

Cedar Gate Services Pvt. Ltd

SOFTWARE ENGINEER

Sanepa, Lalitpur

06/2023 – Present

Analyze software requirements, write industry standard code, perform unit tests, perform code reviews
Debug and fix software defects Produce technical documents Write automation scripts when required
Perform other related tasks as necessary. Designing and Implement ETL (Extract, Transform, Load)
pipelines for large-scale data processing. Experienced in data cleansing, transformation, aggregation,
and visualization.

Cedar Gate Services Pvt. Ltd

ASSOCIATE SOFTWARE ENGINEER

Sanepa, Lalitpur

06/2022 - 06/2023

Write complete software or parts of it in Java. Write industry-standard codes following object oriented
designs and development, design patterns Ability to migrate existing legacy system codes to Java
Analyze existing systems written in Java, produce estimates and modify them according to
requirements Work with SQL databases (primarily MySQL and MSSQL), to create tables, stored
procedures and functions according to the design document provided Work with hive and big data
systems Perform a requirement analysis on a provided specification and implement it Communicate
with a subject matter expert when required Document and maintain software functionality Investigate
new APIs and learn how to use them effectively

Cedar Gate Services Pvt. Ltd

TRAINEE

Sanepa, Lalitpur

03/2022 - 06/2022

Worked as a Trainee (Learned Big Data Manipulation and Transformation using Apache Hadoop and
AWS as a cloud computing)

Percoid IT Solution*.NET DEVELOPER (Intern)**Jawalakhel, Lalitpur**12/2021 - 03/2022*

Worked as an Intern and Built Employee Management System (Web Application) on .Net MVC model with Angular JS

Project Experience

Dowel Embedment Strength Visualization of Bamboo

Big Data Analysis/Visualization of dowel embedment strength variables and its dependencies (Material Properties, Faster Type, Embedment Length, Faster Diameter, Grain Direction, Faster Surface and Coatings, Young's Modulus)

Data Transformation Project

Write a python script that will run in multi-node Hadoop cluster which utilizes Py Spark, Py Stan, Pickle and other libraries to perform data processing, statistical analysis (Bayesian Analysis).

Group Project (Students Verse) (04/2021 - 08/2021)

Contributed to the Project as a Scrum Master to host daily standup meetings, sprint planning meeting, retrospectives and reviews, coaches team members, remove obstacles.

Personal Project (Quiz App) (08/2019 - 11/2019)

Built a fully functional quiz application on Java using Eclipse as IDE, MySQL as a Database and XAMPP as a web server.

Education

Softawarica College of IT & E-Commerce (GPA 3.5)

Dillibazar, Kathmandu

Bachelor level (Bachelor of Science in Computing) (Hons.)

2018 - 2021

- Took courses in Computer Programming, Data Structures & Algorithms, System Analysis and Design, Artificial Intelligence, Statistics and Machine Learning, Database Management, Big Data Information and Retrieval, Data Visualization, Technology and its ethical context, IOT, Web APIs.
- The final year project was an android application and website named **StudentVerse** for students where students can inquiry, get answers on their academic issues and get study resources.
- My thesis envisioned on topic "Research and analysis on the threat of ambient air pollution with its eradicating approaches using technology and implementation of appropriate solutions". A web-based solution, "NepAir" developed which aim to mitigate the potential risks on human and

environmental factors that can occur by ambient air pollution. Effective data visualization of air quality and its composition done so that the public could easily understand the complex data.

SOS Hermann Gmeiner Higher Secondary School (GPA 3.5)

Sanothimi, Bhaktapur

Higher Secondary School

03/2013 - 04/2015

Skills

Language:	Java, Python
Web Development	HTML, CSS, JavaScript, React, Node, Django
Database & Platforms:	MySQL, SQL Server, MongoDB, Cassandra, Neo4j
Source Control Management:	GitHub
Cloud Technologies	AWS, S3, EMR
Methodology:	Agile, APIs and Micro services
Soft Skills	Teamwork, communication, time management, adaptability
Languages	Nepali, Hindi, English

Hobbies and Interests

Coding, Hiking, Playing Football, Chess, Fictional Movies, Social Work