

Sudeep Basnet

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SKILLS

Programming: Dart, Python, Java, Typescript, JavaScript, HTML/CSS, R, SQL, NoSQL
Other Technical: NodeJS, React, Vue, Angular, GIT, Data Analysis, Data Visualization, Database Development

EXPERIENCE

Software Engineer | June 7, 2021 – Present

Google LLC, MTV, CA

- Developing Google's internal Customer Relationship Management (CRM) application.

Technical Consultant | Oct 7, 2019 – May 14, 2021

Logic Information Systems, Bloomington, MN

- Developed omni-channel e-commerce solutions with C#, TypeScript, and HTML/CSS in .NET and .NET Core.
- Debugged and resolved issues in reporting dashboards, using MicroStrategy Developer, MicroStrategy Architect and MicroStrategy Intelligence Server.
- Designed Cloud Data Warehouse and ETL pipelines in *Snowflake* along with stored procedures in *JavaScript*, automated data loading with *Python*.
- Designed AWS cloud dataflow and architecture for enterprise level ETL and Analytics. Developed AWS lambda functions in Python for automated data transformation.

Graduate Assistant | Jan 02, 2017 – Aug 16, 2019

University of Nebraska – Lincoln (UNL)

- Scientific Data Analysis and Data Management using Python and R with packages like scipy, scikit-learn, pandas and numpy, utilized parallel computing on Nebraska's second-fastest High-Performance Computing servers.
- Developed a scalable clustering algorithm to perform unsupervised learning on GIS data, with performance gain up to 60% compared to state-of-art algorithms. Published and presented Research Paper.
- Development and management of PHP backed application, and Data Visualization using HTML/CSS, KnockoutJS, Google Maps JavaScript API and MySQL database.
- Developed Agent-based simulation model in Repast Java to simulate and predict social unrest on a geographic and temporal scale.
- Prepared C++ Tutorials and Lab Assignments of Network Simulations in ns3 to teach about Communication Networks (TCP, UDP, OSI Layers).
- Taught and graded graduate level course "Automata Computation and Formal Languages" with 60 students.

Software/Data Engineer | July 17, 2012 – Dec 23, 2016

Cotiviti Nepal Pvt. Ltd. | Kathmandu, Nepal | (*Subsidiary of COTIVITI HEALTHCARE, Waltham MA*)

- Developed ETL procedures, documented and validated complex business rules for data transformation. Prepared technical specification, reviewed code, and performed unit testing for client-specific change requests.
- Optimized multiple large ETL processes by 60 – 70% in processing time using parallelization, re-designing back-end jobs, performance tuning, normalization and query optimization.
- Led multiple teams of Data and Software Engineers through different projects for 2 years. Responsible for Code Quality, Code Reviews, Design Reviews, Code documentation and Design documentation for maintainability.

EDUCATION

Master of Science, Computer Science | Jan 02, 2017 – August 16, 2019

University of Nebraska – Lincoln (UNL)