**Nachiket Deo**

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<https://medium.com/dataengineering-and-algorithms>

**EDUCATION**

**University of Connecticut,** Storrs, CT (2022)

Master of Science, Computer Science

**Indian Institute of Technology**, Mumbai, India (2019)

Graduate Level Course in Computer Science

Implementation Techniques in Databases

**Savitribai Phule Pune University,** Pune, India (2016)

Bachelor’s in Engineering, Information Technology

**SKILLS**

**Computer Programming Languages –** C, C++, Python, Core Java, SQL

**Other tools –** Qualtrics, Microsoft SSIS, Enterprise Schedule

**Languages** – English, Hindi, Marathi

**WORK EXPERIENCE**

**Environment Health and Safety,** UConn, Storrs, CT

Student Intern, May 2021 – Present

* Supported a learning and development platform HuskySMS and created dashboard reports related to environment and safety
* Created surveys in Qualtrics tool.

**Fit India,** Mumbai, India

Software Engineer-Independent Consultant, Jan 2021- Present

* Implemented the backend API’s using Flask framework and MongoDB.
* Serve as pro-bono advisor to engineering team. Discuss ideas for new features

**Capgemini Technology Services**, Mumbai, India

Database/Data-Warehouse Developer, Jan 2017 – Oct 2020

* Investigated issues in ETL that had impacted on final reporting of a housekeeping application.
* Implemented complex Change Data Capture Mechanism to resolve the data quality issues.
* Performed SQL code performance activity for a mission critical accounting application.
* Participated in 20+ internal training across several database / big-data technologies

**PROJECTS**

**Performance Review System –** Senior Design Project

Description – A web application for maintaining performance review of employees in Java, MonetDB and SSH

* Developed database for the web application and was heavily involved in design of application.

**Notebook Import Feature (VizierDB) –** Summer Project(**University of Buffalo**)

Description - A data centric notebook, develop feature to import python notebooks.

* Created python code to identify dependencies in source code and construct a dependency graph on it.
* Implemented metrics to automatically identify chance of parallelism in notebook.
* Integration of my work with main product.

**Steiner Tree algorithm for iGraph library (open source)**

* Implement a FPT and approximation algorithm for Steiner Tree problem.