

DILEEP SHAH

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Available: For Full time starting from Fall 2022.

EDUCATION

Northeastern University, Boston, MA Jan 2021-Present
Khoury College of Computer Sciences Expected graduation: Dec 2022
Master of Science in Computer Science GPA: 4.0/4.0
Related courses: Programming Design Paradigm, Algorithms, Foundations of Artificial Intelligence, Fundamentals of Cloud Computing (Current Term), and Web development (Current Term).

Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal, India July 2011-June 2015
Bachelor of Engineering in Electrical Engineering, GPA: 8.11/10.0
Related courses: Object Oriented Programming, Java programming, C#.Net.

TECHNICAL KNOWLEDGE

Languages: Java, C#, Python, JavaScript.
Databases: Oracle, SQL Server, MySQL, MongoDB, DB2, and SSIS Packages.
Web: HTML, CSS, Angular, Bootstrap, React.js, Angular, Node.js, Spring, OAF.
CI/CD technologies & Cloud: Cloud, Git, Jenkins, Docker.
Certifications: Problem Solving – HackerRank, Crash Course on Python – Coursera.

WORK EXPERIENCE

Northeastern University, Boston. May 2021-Present
Graduate Teaching Assistant

- Lead and mentor student/s to understand and bolster object-oriented design and development concepts.
- Conduct office hours and code review meetings to help students understand design decisions, reason for selecting a particular design, and devise good design.

Oracle India Pvt. Ltd., Hyderabad, India. July 2018-Oct 2020
Applications Engineer

- Revamped and remodeled concurrent programs to determine resources for a particular territory by recognizing, qualifying, and SQL tuning expensive SQL queries to expedite average process time by 50%, generating \$70 thousand yearly savings.
- Formulated and implemented cancel transaction features to cancel a transaction with one click, eliminating manual adjustments by assimilating with more than 10 customers and higher management and presenting ideas to resolve complications. Upgraded features lessened workaround time from a day to a few minutes, saving on average \$30 thousand yearly.
- Programmed new enhanced features to boost territory management module's performance, working closely with customers, product managers, and senior management.

Infosys Ltd., Hyderabad, India. Feb 2016-July 2018
Senior Systems Engineer

- Delivered improved SSIS packages compared to some existing markets by implementing table lookups and merges, conserving average data load time from 10 hours to 2 hours for approximately ten million records, generating 1 million USD more yearly revenue.
- Transformed, Integrated, and engineered machine learning based micro-services for product recommendation page, boosting product sales twice by identifying individual customer's interests and recently viewed items producing approximately double profit.
- Supervised a newly formed development team to deliver route optimization application's modules framework using Java, Angular, and web services structure resulting in more prominent client satisfaction.

PROJECTS

Image Processing Application(Github) January 2021-May 2021

- Developed a secure image processing application incorporating an efficient design principle with reduced scope to manipulate code/data into application to facilitate image processing tasks such as blur, sharpen, pixilation, mosaic, and pattern generation.
- Incorporated advanced and optimal programming design concepts advancing code readability, modularity, and refactoring.

Shop Management Application(Github) July 2015-Dec 2015

- Built Java swing and MySQL based shop management application to assist retail store owners in maintaining the inventory record, generating invoices, and keeping track of transactions and stocks.
- This application assisted several local store proprietors in increasing efficiency and revenue by reducing time to manage store ledger and stocks record.