

Manish Kandukuri

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EDUCATION

Northeastern University | Boston, MA Expected: Dec 2024

Master of Science in Software Engineering Systems (Computer Science Engineering)

- Coursework: Data Management and Database Design, Data Structures & Algorithms, Web Design & User Experience, User Experience Design & Testing, Object-Oriented Programming, Cloud Computing & DevOps

Jawaharlal Nehru Technological University | Hyderabad, India

Bachelor of Technology in Electronics and Computer Engineering (ECE)

- Coursework: Embedded Systems Architecture and Design, Web Technologies, Application Development

TECHNICAL SKILLS

- Programming Languages: C, C++, SQL, Java, Python, JavaScript, Linux, Unix
- Data & Databases: MSSQL, Oracle, NoSQL/Mongo DB, PostgreSQL, Data Warehousing, ETL
- Web Technologies: HTML, CSS, Bootstrap, React, Angular, NodeJS
- Tools & Services: SASS, Tableau, Agile, GIT, Visual Studio Code, ETL, Microsoft Office
- Cloud: AWS, EC2, S3, Lambda, Docker, DynamoDB, GCP
- Certifications: AWS Cloud Practitioner Essentials, Azure Fundamentals, Azure Data Fundamentals

PROFESSIONAL EXPERIENCE

TATA Consultancy Services Limited | Remote, India Jan 2021 - Aug 2022 Software Development Engineer

- Designed and developed software solutions in supply chain domain for Integration project using PL/SQL and Python
- Integrated data from Oracle and MSSQL databases, XML, JSON, CSV, and Web APIs leveraging Kafka for seamless data integration, resulting in a 30% reduction in data retrieval time

- Worked with agile development methodologies, continuous deployment, and DevOps practices, ensuring efficient and collaborative project execution

- Implemented data solutions for analysis and profiling, ensuring high data quality standards
- Conducted exploratory data analysis and data discoveries, contributing to informed decision-making processes
- Utilized root cause analysis for issue impact assessment, showcasing a strategic approach to problem-solving
- Developed full-stack applications with a focus on data architecture in collaboration with senior engineers, ensuring effective integration of frontend and backend elements
- Collaborated with cross-functional teams, including developers and business analysts, to accurately gather and document comprehensive business requirements, ensuring alignment with project objectives
- Streamlined code deployment and played a key role in facilitating the team's code deployment into active production systems while maintaining backups and GIT version control

Birla Institute of Technology and Science | Hyderabad, India Apr 2018 - Aug 2018 Technology and Business Incubator - Intern

- Leveraged Python and AWS for hands-on Internet of Things (IoT), and Machine Learning
- Developed a smart home management solution, utilizing IoT devices like Raspberry Pi, Arduino, and automation

ACADEMIC PROJECTS

Cloud Native Application – Infrastructure as Code (Northeastern University) Sep 2023 – Present

- Designed and deployed a cloud-native web application infrastructure on AWS and GCP, utilizing Pulumi for automation, custom machine images, auto-configuration, and implementing DNS, email, logging/metrics, and DynamoDB

Skills Utilized: AWS, GCP, Pulumi, Ubuntu, SystemD, JavaScript, Git, Linux

Coffeeshop Data Management System (Northeastern University) Jan 2023 - Apr 2023

- Developed and executed an Oracle SQL Data Management Project resulting in a 34% performance improvement, 50% reduction in storage needs, and enhanced data security through encryption, access controls

Skills Utilized: SQL, Tableau, Python, Oracle

Full Stack E-Commerce Web Application (Northeastern University) Sep 2022 - Dec 2022

- Deployed a modern E-Commerce website with a user-friendly interface, and enhanced performance using REST API
- Skills Utilized: React, MongoDB, HTML, CSS, JavaScript, NodeJS, Postman

OKC Thunders NBA Team Database and Backend Design Project (Personal) Aug 2023 - Sep 2023

- Designed and executed a normalized PostgreSQL database for OKC Thunders NBA Team

Skills Utilized: Angular, PostgreSQL, Python, Django, Tableau

LEADERSHIP

Graduate Teaching Assistant for Object-Oriented Design | Northeastern University

- Coached students to write Java Programs using Object-Oriented Design principles & Design Patterns

- Graded assignments and conducted weekly code reviews, assisting students with course-related and technical queries

Orchestrated the Senate meetings of the Graduate Student Government | Northeastern University Spearheaded Open Streets Boston by Boston.gov as Volunteer Block Captain | Boston.gov