

EDUCATION

Khoury College Of Computer Science, Northeastern University Boston, MA <i>Master Of Science in Computer Science</i>	<i>Expected Aug 2027</i>
Mukesh Patel School of Technology Management and Engineering, NMIMS University Mumbai, IN <i>B. Tech Computer Engineering</i>	Sep 2021- Jun 2025

WORK EXPERIENCE

Capgemini Technology Services India Limited, Mumbai, India <i>Data Engineer</i>	Jan 2025 - May 2025
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- **Participated** in the redevelopment and integration of the Xray application, migrating it from Mendix to Node.js and Vue.js as a module within Tegna's Prism portal, aligning with Octillion's technology ecosystem.
- **Developed** reusable UI components in Vue.js and implemented backend logic in Node.js to support new features and efficient data retrieval from the Snowflake data warehouse.
- **Researched** and documented AWS ECS integration for hosting front-end and back-end microservices across separate AWS accounts, collaborating with the DevOps team to improve cloud automation and architecture.
- **Integrated** data visualizations by connecting Power BI with Snowflake, replicating Tableau dashboards and applying data modeling principles using DAX for comprehensive reporting.
- **Conducted** rigorous UI/UX and backend testing, validating data integrity and collaborating with cross-functional teams to resolve defects and ensure seamless integration within the Prism portal.
- **Maintained** version-controlled documentation, creating detailed test cases and supporting User Acceptance Testing (UAT) cycles by providing documentation for QA and business teams.

Capgemini Technology Services India Limited, Mumbai, India <i>Software/Data Analyst Intern (Trainee)</i>	May 2024 - Jun 2024
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- **Contributed** to a 12-member team project to build a tool for migrating legacy server-based data to Snowflake, optimizing data storage efficiency with cloud-based solutions.
- **Gained** insights into designing a data flow architecture leveraging Apache Airflow and Snowflake for seamless automation of data processes in an AWS environment.
- **Created** Python scripts to extract SQL statements from SSIS packages using Python's XML parsing tools. Validated SQL extraction accuracy by creating and testing SSIS packages using Visual Studio Community and SQL Server Management Studio. Overcame initial unfamiliarity with SSIS packages by learning to build and handle them.
- **Completed** intensive training in SQL, Python, Apache Airflow, and Snowflake, developing a robust foundation in data management and analytics. Gained hands-on experience in designing scalable data migration solutions.
- **Acquired** knowledge of AWS server setup, network configuration, and foundational cloud computing concepts to support ongoing and future projects.

PROJECTS

Fake News Detection and Summarization	Aug 2024- Nov 2024
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- **Preprocessed** news datasets using TF-IDF vectorization and applied machine learning models like logistic regression, decision trees, random forests, and gradient boosting for classification of fake news.
- **Implemented** advanced deep learning models like RNN and GNN models for fake news classification, achieving 96% accuracy. Gained expertise in TensorFlow, PyTorch, and NLP techniques like tokenization, stemming, and lemmatization.
- **Achieved** summarization of news using the Pegasus model for abstractive summarization

Parkez – Web Application	May 2024 - Nov 2024
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- **Developed** a dynamic web application to address urban parking challenges, integrating Mappls MapMyIndia API for real-time navigation to nearby on- street and off-street, paid and free parking spots.
- **Designed** an interactive front-end interface using HTML, Bootstrap, CSS, JavaScript, and AngularJS, and implemented a robust back-end with PHP and SQL for efficient data management.
- **Collaborated** with MCGM Engineering Hub to collect invaluable, survey-based data on free parking locations, signboards, and pricing schemes of paid parking spots. Bagged the 1st Prize at the Saavishkar 2024 Annual Project Competition.

House Price Data Analysis	Feb 2024 - Mar 2024
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- **Performed** data preprocessing and cleaning using SAS to prepare housing market datasets for analysis.
- **Designed** interactive dashboards in Tableau to visualize housing market trends, utilizing heatmaps and scatter plots for detailed factor analysis

ConnectHub – Web Application	Dec 2023
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- **Built** a feature-rich platform with instant Q&A, chat, and file-sharing functionalities by integrating OpenAI API.
- **Designed** and managed the SQL database for user data and knowledge resources, and developed both front-end and back-end systems using HTML, CSS, JavaScript, Node.js, and PHP.

ODIN and EVA Chatbot	Sep 2023 - Oct 2023
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- **Developed** advanced voice-activated AI systems leveraging Python, OpenAI API, and speech recognition for seamless natural language interaction.
- **Designed** "ODIN" for system-level commands like opening/closing applications and folders using Python's OS module, and "EVA" for sophisticated tasks such as generating responses, creating files, and enhancing productivity via API integration.

EXTRA-CURRICULAR EXPERIENCES

- **Oracle Cloud Infrastructure- Certified Professional: Earned** the Oracle Cloud Infrastructure 2024 Generative AI Certified Professional credential, understanding Large Language Models (LLMs) and gaining proficiency in OCI Generative AI Service.
- **Snowflake- Learner: Completed** the Hands-On Essentials: Data Warehousing Workshop, gaining practical experience in Snowflake's data warehousing solutions and cloud-based data integration.
- **Coursera – Prompt Engineering for ChatGPT- Certificate Holder: Completed** the Prompt Engineering for ChatGPT course by Vanderbilt University, mastering techniques to design effective prompts for AI-driven problem-solving.
- **Debate-a-thon, Tark MPSTME- Winner: Secured** 1st position in a 24-hour hackathon powered by Devfolio by creating a collaborative knowledge hub and debating its practical significance in addressing societal challenges.
- **Fellowship of the Physically Handicapped (FPH)- Volunteer/Mentor: Taught** technical skills, to physically and mentally challenged students. Assisted them in tasks, promoting digital literacy and independence.

OTHER INFORMATION

Languages: HTML, CSS, Python, AngularJS, SQL, Javascript, SAS Programming, PHP, Java, R Programming, NodeJS

Software: VS Code, PyCharm, Google Colab, PHP MyAdmin, Xampp, Apex Oracle SQL, Tableau, Canva, Microsoft Office, Eclipse, Jupyter Notebook, MongoDB, Apache Airflow, Snowflake, AWS, Visual Studio Community, SQL Server Management Studio

Concepts: Artificial Intelligence, Computer Networks, Data Structures and Algorithms, Database Management System, Natural Language Processing, Deep Learning, Big Data Analysis, Machine Learning, Object Oriented Programming, Operating System, Web Programming, Business Visualization and Analytics, Distributed Computing, Cyber Security, Cloud Computing, Prompt Engineering