

BHARGHAVA KUMAR PURRU

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EDUCATION

Case Western Reserve University

Masters in Computer Science.

U.S

August 2023 – May 2025

CGPA: 3.5 / 4

Lendi Institute of Engineering and Technology

Bachelor of Engineering in Electronics and Communication Engineering

India

June 2018 - May 2022

CGPA: 7.39 / 10.00

TECHNICAL SKILLS

Data Structures and Algorithms

Languages: C#, Python, Java, Advanced SQL.

Web technologies: jQuery, Angular, Node.js, AJAX, Express.js, Bootstrap.

Database Management: SQL, MongoDB, MySQL, SQL Azure Database.

Libraries & Frameworks: ASP.NET, Entity Framework Core, NumPy, Pandas, Seaborn, Matplotlib.

Cloud Services: Azure Compute, Azure Active Directory, Azure Storage, Azure PaaS Services (App Services, Web APIs)

Software/Developer Tools: MATLAB, Git, Visual Studio Enterprise, Visual Studio Code, Postman, Active Directory, Google Suites, Power BI, Virtual Machines, Azure Active Directory, On-Prem Active Directory, Postman, Web API, SQL Azure Database, MySQL server.

WORK EXPERIENCE

HCLTech. | Software Engineer, Full Stack .Net Developer

September 2022 – December 2023

- Architected, designed, and implemented new functionalities for two simultaneous projects, demonstrating strong problem-solving and coding skills and applying system design patterns, testing best practices, and software version control.
- Project Details:**
 - **Description:** Worked on a web application for independent issue reporting and live agent communication via a Teams chatbot interface. Also developed a web application using WCF services for users to change/reset passwords or unlock accounts. Contributed to generating and analyzing SAST and DAST reports to ensure application security.
 - **Achievements**
 - Integrated Single Sign-On (SSO) functionality for the authorized logins.
 - Later implemented the chatbot in Google bot services.
 - Integrated the service into Azure Active Directory and done code documentation.
 - Utilized Web APIs to enable Self-Service Password Reset (SSPR) functionality.
- Demonstrated a strong understanding of the software development cycle, build and deployment issues, and effectively documented code to maintain high standards and facilitate collaboration.

PROJECTS

HCL project - Reset station | C#, ASP.NET, MVC Architecture, MySQL, Azure Active Directory, PostMan, API's, VM.

Jan 2023

- Comprehensive solution for simplifying password management and account unlocking for users. Integrated with Azure Active Directory, demonstrating commitment to delivering quality solutions and strong analytical skills.

Pie Shop | C#, ASP.NET Core, MVC Architecture, Entity Framework Core, MySQL, Web APIs

Jan 2024

- Developed a comprehensive web application for a Pie Shop using ASP.NET Core and Entity Framework Core, allowing users to browse pies, register, log in, and place orders seamlessly. Integrated with Azure Active Directory for user authentication and MySQL for database management.- Implemented unit testing using xUnit to ensure high code quality and reliability

Real-Time Chat Application | C#, ASP.NET Core, SignalR, React.js, Bootstrap, WebSockets.

Feb 2023

- Built a real-time chat application using SignalR for the backend and React with Bootstrap for the frontend, facilitating seamless real-time communication.- Utilized WebSockets for efficient communication, enabling instant updates and a scalable system.- Implemented user-friendly React components to enhance the user experience.

Contact Management Application | Angular ,API's, Net, MVC Architecture, MySQL, PostMan, HTML, CSS, JavaScript

Jan 2024

- Built a web application using Angular for the front end and ASP.NET Core for the back end. This application allows users to manage their contacts efficiently, enabling them to add and delete contacts using Web APIs, showcasing the ability to work with modern web technologies and build full-stack solution