

# Sarthak Deshmukh

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## EDUCATION

### Northeastern University

Master of Science in Information Systems

Boston, MA • Sep 2024 - April 2026

### Nagpur University

Bachelor of Engineering in Computer Technology, GPA: 8.47

Maharashtra, India • 2021

## SKILLS

**Languages:** C++, C#, Java, Python, PHP, JavaScript

**Frameworks:** .NET Core, AngularJS, Microsoft Bot Framework, React, Java Swing, NodeJS, Express

**Databases:** MySQL, Cosmos DB, MongoDB

**Other:** Agile Development, Git, Microsoft Cognitive Services, Azure, Git

## EXPERIENCE

### Accenture (Full-Stack Developer)

Mumbai, India • June 2021 – July 2024

- Designed and deployed more than 15 custom entities, views, and solutions using ASP.NET frameworks that refined operational efficiency for end users; reduced task completion times by approximately two hours weekly per team member
- Engineered robust business rules within the Microsoft Bot Framework that enhanced user interaction efficiency; reduced response time for customer inquiries by 40%, positively impacting overall service quality
- Received the prestigious **Accenture Pinnacle Award** for outstanding contributions to the accessibility department during FY21-22

### IT-Networkz Infosystems (SDE Intern)

Nagpur, India • July 2020 - March 2021

- Showcased expertise as a backend web developer, specializing in PHP and MySQL to enhance application performance, resulting in a 30% increase in loading speed
- Played a key role in developing and maintaining web applications, leveraging PHP to implement features that improved user engagement by 25%, while ensuring robust and secure database operations through MySQL

### IT-Networkz Infosystems (Trainee Engineer)

Nagpur, India • Jan 2019 - March 2019

- Steered the development of a web project utilizing JavaScript, CSS3, and HTML5, creating visually appealing and highly functional user analytics that significantly elevated user interaction and engagement
- Applied a comprehensive skill set in front-end technologies to design innovative, user-centric web solutions that adhere to industry standards, increasing user satisfaction and positive stakeholder feedback

## PROJECTS

### Online Test System

August 2020 - February 2021

- Developed an online test system capable of handling thousands of concurrent users, streamlining the assessment process and enhancing user experience
- Applied flexible testing features that allowed for timed and untimed assessments, tailored to individual subscription levels, increasing user engagement and satisfaction

### Drowsiness Detection System

January 2020 - March 2020

- Developed a Drowsiness Detection System that achieved over 94% accuracy using a face detection algorithm implemented in MATLAB, significantly improving driver safety
- Refactored 5,000+ lines of code within the algorithm's architecture to enhance output reliability and detection accuracy; implemented new testing protocols that improved overall system performance while minimizing false positives during assessments

### College Social Networking Website

October 2019 - December 2019

- Devised a complete architecture for a college social networking website, enabling 500+ users to interact seamlessly and reducing server response time by 30% through optimized database queries
- Leveraged distributed computing to efficiently manage simultaneous logins, enhancing system performance and user experience
- Introduced infinite timeline feature on the homepage, delivering a seamless flow of the latest posts and stories to keep users engaged

## RESEARCH PUBLICATIONS

### International E-conference on recent trends in Machine Learning & Artificial Intelligence in the field of Science & Technology (E-ICAIML-2020)

Published a detailed research study focused on a web-based examination system, contributing to industry knowledge and providing insights that helped streamline online testing protocols for 20+ educational institutions

ISSN: 2005-4262 IJGDC (International Journal of Grid & Distributed Computing)

## CERTIFICATIONS

Microsoft Azure Developer Associate (AZ204)

Microsoft • 2022

Microsoft Azure Fundamentals (AZ900)

Microsoft • 2021

Microsoft MCP: HTML, CSS & JavaScript

Microsoft • 2019