

Tanmay Pawar

(857) 339-8799 | pawar.ta@northeastern.edu | Boston, MA, 02120 | LinkedIn

EDUCATION

Northeastern University

Master of Science in Information Systems

Related Coursework: Application Engineering, Data Science, DSA, OOP

Boston, MA

Expected May 2026

Pune University

Bachelor of Engineering in Computer Engineering

Related Coursework: Computer Organization and Architecture, Machine Learning, DBMS, Cloud, etc

Pune, India

Jun 2022

SKILLS

Programming Languages: Python, C#, Java, HTML, CSS, JavaScript
Databases & Tools: MSSQL, Azure, AWS, Git, MS Office, JIRA, MongoDB, Tableau
Libraries and Miscellaneous: React, .Net, Pandas, NumPy, Matplotlib, TensorFlow, Keras, PyTorch, Scikit-learn

WORK EXPERIENCE

Persistent Systems Ltd

Software Engineer

Pune, India

Jul 2022 – Jul 2024

- Managed datasets exceeding **100,000** rows using Pandas, NumPy, and SQL, enhancing data quality by **10%**. Additionally, it contributed to fine-tuning machine learning models, resulting in a **5%** boost in performance
- Built APIs within the .NET framework and developed over **15+** SQL stored procedures to optimize data retrieval for new features, cutting query times by **30%** and improving system integration
- Spearheaded the deployment of features through Azure DevOps, accelerating the release process by **15%** and achieving **100%** on-time project completion
- Revamped a legacy application by integrating React and .NET Core, creating more than **8** React components and APIs, leading to a **30%** improvement in functionality and user experience
- Conducted data-driven testing (UAT, SQL queries), resolving **15+** critical issues and reducing post-launch defects by **95%**. Played a key role in over **15** sprint cycles, ensuring smooth product rollouts in an agile SDLC

Persistent Systems Ltd

Intern

Feb 2022 – Jul 2022

- Assisted in creating and managing over **10** dynamic, scalable React components, contributing to a smoother user experience across multiple platforms and helping reduce load times by **20%**
- Supported the design and development of **5+** RESTful APIs using .NET Core, which improved data retrieval efficiency by approximately **15%**
- Collaborated closely with cross-functional teams of **20+** members to ensure seamless integration between front-end and back-end systems
- Wrote SQL queries to extract data from various source tables and files, facilitating back-end testing and improving data accuracy by **10%**

PROJECTS

Mental Health Analysis | Python, Pandas, NumPy, FastApi, React

- Developed a comprehensive mental health analytics platform that monitors employee sentiment and overall well-being across **5** parameters
- Utilized Pandas and NumPy to analyze extensive datasets, uncovering trends and correlations in employee feedback, which offered actionable insights to HR teams
- Achieved a **35%** increase in employee participation in feedback-related activities

Cheating Detection in Offline Examination | Python, Pandas, OpenCV, MediaPipe

- Created a cheating detection system for offline examinations using Python and computer vision techniques to monitor and analyze student behavior during tests, achieving **80%** accuracy in identifying suspicious behavior
- Employed OpenCV and MediaPipe for real-time video processing, enabling the tracking of head movements and identification of suspicious activities
- Successfully decreased instances of cheating by **50%**.

EduManage App | React, Redux, Firebase

- Created a coaching center application that includes **4+** features such as class schedules, attendance tracking, PDF class notes, and links to video recordings
- Leveraged React Native for cross-platform development, implemented Redux for state management, and used Firebase for authentication and data storage reducing backend development time by **30%**

CERTIFICATION

- Azure Fundamentals