

Yash Burshe

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EDUCATION

- **Northeastern University** Boston, MA
Master of Science in Computer Science Expected December 2026
- **NMIMS University** Mumbai, India
Bachelor of Technology in Computer Science & Engineering (Cybersecurity) ; GPA: 3.46 August 2020 – August 2024
 - MUNSociety MPSTME - Technical Lead, Social Conclave - Technical Lead

EXPERIENCE

- **Oneture Technologies** Mumbai, India
Software Engineering Intern January 2024 – June 2024
 - Created a UDP Packet Streamer for ICICI Securities in C# using .NET 6 with a GUI using WinForms to upgrade a legacy .NET 3.5 application
 - Increased packet throughput by 10x using multi-threading and data structure optimization
 - Introduced a resilient monitoring tool that enhanced packet visibility and a comprehensive logging solution that captured and analyzed over 100,000 packets daily
 - Pioneered a full stack web application to tackle the visibility of allergens in restaurant menus. The application streamlined the identification of allergen-containing items, enhancing user experience and food safety for restaurant patrons
 - Developed the application using React, Tailwind CSS for an intuitive and responsive front-end, and Node.js with Express for efficient back-end functionality. Optimized the system to handle 10,000+ daily queries, improving load times by 30% and ensuring seamless user interactions with complex database queries
- **University of Auckland** Remote
Research Intern July 2023 – August 2023
 - Investigated possible solutions to enhance a Geo tagging model to get accurate location information from social media websites through Natural Language Processing and Machine Learning
 - Delivered a geo-tagging solution that earned client commendation for significantly improving location accuracy.
- **Oneture Technologies** Mumbai, India
Software Engineering Intern October 2021 – December 2021
 - Implemented an automated pipeline to create documentation for ICICI Securities' iBreeze API to eliminate manual documentation
 - Created using static site generator Slatdocs for documentation and Node.js along with Shell (Bash) and Postman SDK for a lean server infrastructure
 - Developed a Web CMS to manage the generated documentation using EJS and Node.js to modify any resource

PROJECTS

- **Steam2CSV**: Open source web application hosted at steam2csv.xyz allowing users to view and sort their game library and convert any public Steam user's game library and data to a .CSV file
 - **Languages**: JavaScript
 - **Technologies**: EJS, PassportJS, AWS Route 53, EC2
- **SentinelShare**: A decentralised data and resource-provisioning system with end-point security providing a zero trust architecture for file sharing with 3rd party vendors
 - **Languages**: JavaScript, Solidity
 - **Technologies**: React, Truffle Suite, Web3.js, MongoDB, Sepolia, IPFS, Git
- **Sentiment Analysis of Tweets**: Visualize sentiment of tweets given a keyword, in a number of charts in Jupyter Notebook using VADER Sentiment Analysis
 - **Languages**: Python
 - **Technologies**: VADER Sentiment, Jupyter Notebook

PROGRAMMING SKILLS

- **Languages**: C, Python, C#, Golang, JavaScript, SQL
- **Technologies**: AWS, Node.js, React, PostgreSQL, MongoDB, Git