Yash Mahesh 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 Slatedocs 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