

YASH BURSHE

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EDUCATION

Mukesh Patel School of Technology Management and Engineering, NMIMS Mumbai, India **Expected: August 2024**
Candidate for Bachelor of Technology in Computer Science with specialization in Cybersecurity **(GPA-3.4/4)**
Relevant Courses: Object Oriented Programming, Data Structures and Algorithms, Operating Systems, Database Management Systems, Computer Architecture, Reverse Engineering and Malware Analysis, etc.

PROFESSIONAL EXPERIENCE

Signal Corporation Limited, Auckland, New Zealand **July 2023 – August 2023**
Micro-Internship Consultant - University of Auckland

The firm consults organizations to identify and mitigate online threats to people, business operation, and assets.

- Investigated possible solutions to enhance the geo tagging model to get accurate location information from social media through Natural Language Processing and Machine Learning.
- Worked in a team of 7 to present a possible solution to the problem of extraction of location data from social media to the client who commended for company presentation.

Oneture Technologies, Mumbai, India **November 2021 – December 2021**
Software Engineering Intern

Oneture Technologies helps clients harness the power of digital technologies and data to build businesses and drive transformations.

- Developed an automated pipeline using Nodejs, Shell Scripting, and Postman SDK for producing API documentation.
- Created a web CMS for CRUD operations using SlateJS Docs, EJS, and custom API calls to manually update and manage the documentation directly as a fallback.

ACADEMIC PROJECTS

Data Visualization and Sentiment Analysis of Tweets

- Employed Python libraries to extract tweets with given keyword and analyze their sentiment.
- Visualized data using pie charts, Histograms and Word Clouds to show the amount of negative, neutral, positive and compound tweets.
- Technologies used: Jupyter, VADER Sentiment Analysis, and Matplotlib.

Full Stack E-commerce Website

- Built a website using HTML5, CSS3, NodeJS, JavaScript, and MongoDB for a Pizza delivery company that allowed users to login, place orders and see the status; fetched and stored the information in a database using API.
- Technologies used: HTML5, CSS3, Nodejs, JavaScript, and MongoDB.

TECHNICAL SKILLS

- Programming languages: Python, C++, Java, and R.
- Scripting languages: Shell, PHP, and JavaScript.
- Technologies: AWS EC2, Route 53, ReactJS, MongoDB, and Git.
- Tools: Visual Studio, WinDbg, Metasploitable, and Postman.

EXTRACURRICULAR ACTIVITIES

- Completed a course on 'Programming for Everybody' from University of Michigan through Coursera, 2021, learned coding in Python and the use of fundamental programming techniques such as functions and loops.
- Secured top 6% rank in the annually held 'Capture the Flag' competition by Carnegie Mellon University – picoCTF 2021 by completing Reverse Engineering and Web Exploit challenges for the team.
- Led the technical team of MUN Society, MPSTME as the Technical Head for the "Mumbai MUN" and "IntraMUN" events for the year 2022 wherein led a team of 7 members in creating and updating websites.
- Appointed as the Technical Head of Social Conclave 2023 and developed a website along with managing a team of 5, overseeing technical operations on-site for the event.