

Yash Sethi

Thunder Bay, ON, Canada P7E 6M4

(Open to relocating to anywhere in Canada)

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PROFILE SUMMARY

- **Passion for learning new technologies, developing innovative and interactive projects, and tackling challenging problems.**
- **Seeking a Software Engineer job in an environment where I can challenge and advance my technical and interpersonal skills.**
- 3+ years of programming experience with **C/C++, Java, Python**, and **Git** languages.
- 2+ years of experience developing applications and games for **Android mobile devices**.
- **Knowledge of System Design, Data Structures & Algorithms and Software Development.**

EDUCATION

Lakehead University

Master of Science, Computer Science. **Current GPA: 89.5/100**

Jan 2021 - Aug 2022 (Expected)

Thunder Bay, ON, CA

Yeshwantrao Chavan College of Engineering

Bachelor of Engineering, Computer Technology. **GPA: 8.16 / 10.00**

April 2016 - Oct 2020

Nagpur, MH, IN

SKILLS

- **Concepts:** Object Oriented Programming, Data Structures, System Design, Software Engineering, Operating Systems
- **Languages:** C/C++, Java, Python, Kotlin, JavaScript, HTML, CSS
- **Software Applications:** Android Studio, VS Code, Vim, IntelliJ, Eclipse, Jupyter Notebook
- **Operating Systems:** Android, Windows, Linux
- **Database:** MySQL
- **Data Science:** Machine Learning, Deep Learning, Computer Vision, Natural Language Processing (NLP)
- **Libraries & Frameworks:** Keras, TensorFlow, Firebase, React, React-Native, NumPy, Pandas, Matplotlib, Junit, Sklearn
- **Platform & CI/CD Tools:** Git, Jenkins, Jira

WORK EXPERIENCE

Goibibo

Software Development Intern

May 2019 – June 2019

Gurgaon, IN

- Participated in daily stand-ups and worked in a cross-functional team environment to efficiently implement features using various technologies.
- Independently integrated the Google In-App Update API on application start-up, delivered to approximately 50 million users.
- Collaborated with design team to revamp the home screen, improving the application interaction rate by approximately 3-4%.
- Over 2 months, applied various Android architectural patterns in adherence with good programming practices.

Byte Bonding Technologies

Software Development Intern

May 2018 – June 2018

Jabalpur, IN

- Learned the basics of Android Development and contributed to an ongoing Android project on the Internet of Things (IoT).

PROJECT EXPERIENCE

Hate Speech Detection | Python, NLP, Keras, TensorFlow, PyTorch

Nov 2021 – Dec 2021

- Implemented ML and DL models using TensorFlow and PyTorch to detect Hate Speech in English text.
- SVM with Universal Encoder Sentence Embeddings gave the best results (macro F1-score of 0.53).
- Dataset Source: SemEval 2019 - Task 5
- Link to the project: <https://github.com/ysethi92/Hate-Speech-Detection>

Face mask and Social Distancing Detection | Python, Computer Vision, Keras, TensorFlow

Feb 2021 – July 2021

- Trained a MobileNetV2 + SSDMN2 model with 12,238 images of people with and without a facemask.
- Devised a way to improve the performance of the face detection algorithm for large images.
- Achieved an accuracy of 99% for the Face mask detection algorithm.
- Detected social distancing using YOLOv3 pre-trained on COCO's dataset containing 328K images.
- Link to the project: <https://github.com/ysethi92/Facemask-and-Social-Distancing-Detection>

Meteor Blaster | Java, XML, Android, Firebase

July 2020 – Aug 2020

- Engineered an Android Arcade game, wherein the user aims to save the earth from meteor showers.
- The game implements various features like collision detection between meteors.
- Integration of Firebase Authentication and Google Play services, letting users compete for the 1st position on the leaderboard.
- Link to the app: <https://play.google.com/store/apps/details?id=com.ysethi92.meteorblaster>

UI Component Kit for React Native | JavaScript, React-Native

Oct 2019 – June 2020

- Collaborated with teammates to engineer 10-12 highly customized open-source UI components catered for different use-cases.
- Link to the project: <https://github.com/ysethi92/ui-kit-react-native>

Text To Image Synthesis | Python, PyTorch

Mar 2020 – Apr 2020

- Implemented a model for synthesizing images for text description using the GAN-CLS algorithm.
- Trained the model on the Caltech - UCSD Birds dataset containing 11,788 images.

ACHIEVEMENTS AND HONORS

- 1st team from college to represent at ACM ICPC 2017-2018: Amritapuri onsite regional round.
- Stood 1st in a programming contest organized by RGCER, Nagpur.
- Mentored students of Android development Club and Coding Club, CT department, YCCE.
- Qualified Facebook Hacker Cup 2018 and Google SnackDown 2019 Round 1.