

Yash Sethi

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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 <i>Master of Science, Computer Science. Current GPA: 89.5/100</i>	Jan 2021 - Aug 2022 (Expected) <i>Thunder Bay, ON, CA</i>
Yeshwantrao Chavan College of Engineering <i>Bachelor of Engineering, Computer Technology. GPA: 8.16 / 10.00</i>	April 2016 - Oct 2020 <i>Nagpur, MH, IN</i>

WORK EXPERIENCE

Goibibo Software Development Intern	May 2019 – June 2019 <i>Gurgaon, IN</i>
<ul style="list-style-type: none">• 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 <i>Jabalpur, IN</i>
<ul style="list-style-type: none">• Learned the basics of Android Development and contributed to an ongoing Android project on the Internet of Things (IoT).	

PROJECT EXPERIENCE

Hate Speech Detection <i>Python, NLP, Keras, TensorFlow, PyTorch</i>	Nov 2021 – Dec 2021
<ul style="list-style-type: none">• 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 <i>Python, Computer Vision, Keras, TensorFlow</i>	Feb 2021 – July 2021
<ul style="list-style-type: none">• Trained a MobileNetV2 + SSDMNv2 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 <i>Java, XML, Android, Firebase</i>	July 2020 – Aug 2020
<ul style="list-style-type: none">• 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/ysethi92/meteorblaster	
UI Component Kit for React Native <i>JavaScript, React-Native</i>	Oct 2019 – June 2020
<ul style="list-style-type: none">• 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 <i>Python, PyTorch</i>	Mar 2020 – Apr 2020
<ul style="list-style-type: none">• 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.

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