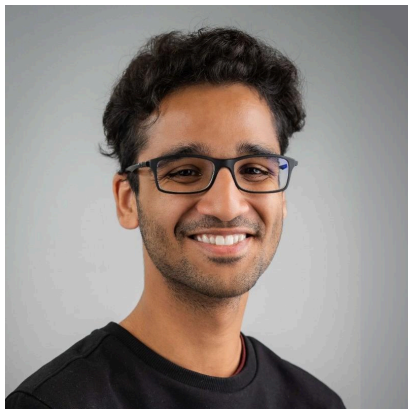# CSCC01 Deliverable 1

TEAM INTRO

Team Name: TechBuddy

Team Members:

1. **Krit Grover: 1008093643, groverk3, krit.grover@mail.utoronto.ca**

I'm a second year student at the University of Toronto Scarborough, specializing in Software Engineering and Majoring in Mathematics. My skill set includes multiple languages and technologies such as Python, Java, C, Kotlin, JavaScript, R, and more.

Currently, I am collaborating with a professor from my university on a thesis project. Our research focuses on using recurrent neural networks to detect fear stimuli in mice and unravel the intricate behavioral motifs associated with fear responses. I am also working as a Teaching Assistant at UTSC, where I have the privilege of supporting students in introductory Computer Science and Linear Algebra courses.

2. **Casper Sajewski-Lee: 1008493701, leecaspe casper.sajewskilee@mail.utoronto.ca**

I am a third year student at UofTSc specializing in Software Engineering and Dual Majoring in Mathematics. I have been exposed to numerous modern programming, typescripting, and teambuilding languages like Java, Python, HTML, XML, Jira, and Trello. My passions within this field are communicating to regular people the potentials and dangers of computing technology and teaching people how to use and protect themselves with computers.

I am currently the President of the Tabletop Club at UofTSc, the Computer and Mathematical Science Ambassador for my school, and a Teaching Assistant for the Mathematics Program, so I am the front face of the program in all outreach events and with new students. With these positions, I am honing my communication skills, as well as my empathy and emotional intelligence to better relate and teach people who may be unsure or nervous about technology.

3. **Yatin Malhotra: 1009083135, malho351, yatin.malhotra@mail.utoronto.ca**

I am a second year student (based on the year I started, but this is my fifth semester with 5 courses, so by course load, third year) at University of Toronto Scarborough. I am enrolled in the Entrepreneurship Stream of Computer Science Specialist. My skill set includes multiple core languages including Java, Python, C, postgresQL, and JavaScript.

 I do not have specific work experience, however, I have shadowed the roles of Senior Manager in Product Security at AMD and Financial Advisor at Innovia Consulting. I also have a B2 level proficiency in French, along with being a certified Microsoft Word and Excel Associate. Moreover, I am currently taking courses on Network and Security, Databases, Machine Learning, and Data Structures and Algorithms. My past experience in participating in hackathons and presenting has enhanced my communication skills ten folds.
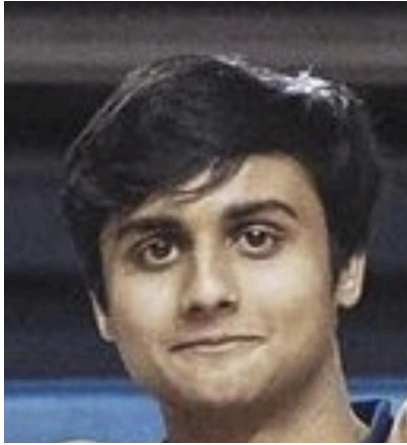
4. **Sabrina Shams: 1008119233, shamssab, sabrina.shams@mail.utoronto.ca**

I'm a third year student at the University of Toronto Scarborough specializing in software engineering. My skill set includes multiple languages such as Java, Python, C and JavaScript. Additionally, I have hands-on experience with React and Racket, which allows me to build and tackle web components coupled with computational problems. My passions lie in promoting diversity and inclusion in the tech industry as seen through my involvement as a mentor at WiCSM, a club dedicated to supporting women in computer science one line of code at a time.

5. **Vraj Shah: 1009102695, shahvra8, vrajr.shah@mail.utoronto.ca**

I am a second-year Computer Science student at UTSC, specializing in Software Engineering. Passionate about developing applications and websites, I thrive on solving complex problems and creating innovative solutions. My current skill set includes technologies such as Python, Docker, Kubernetes, various JavaScript Frameworks, as well as C++. Currently, I am gaining invaluable experience as a Software Developer in AI and Machine Learning at the Government of Ontario. My work involves leveraging tools like PyTorch and NLP models to develop bots and AI tools that enhance efficiency and productivity. Additionally, I enjoy exploring the realm of web development, utilizing technologies such as JavaScript frameworks to build responsive and dynamic web applications.

6. **Rachel Kwan: 1008046847, kwanrac2, rachelhoyan.kwan@mail.utoronto.ca**

As a third year computer science student specializing in entrepreneurship at the University of Toronto Scarborough, I love making tech to help others! I am currently working on implementations of cloud-based batch processes with Node JS in American Express and have previous experience in developing full web components with React, Angular, Jest, Typescript at RBC. I have also enjoyed working with the Hack The Valley hackathon at UTSC as a developer executive, a web developer with the school, and as a teaching assistant working with Python.

TEAM AGREEMENT

Communication Method: Discord

Expected Response Times: 1 hour

Nature and frequency of meetings: Twice a week (Once during tutorials and once remotely on Saturday evening)

Contingency plans: In the case that members don't show up to either the tutorial or the remote meeting, information communicated will be sent to them individually. Should the members at the meeting present decide certain plans for future workflow, those not present will be given tasks by those who've attended the meeting. To encourage participation, except in cases of emergency, work given to non-attending members is encouraged to be greater.

Signed By:

- Krit Grover
- Rachel Kwan
- Casper Sajewski-Lee
- Yatin Malhotra
- Sabrina Shams
- Vraj Shah

PERSONAS AND USER STORIES

Persona #1: (Senior)

- Senior (65+)
- Impaired vision/Impaired hearing
- May not speak/read English well
- Intimidated by technology and how to use it
- Goal: want to learn and become more familiar with tech

User Stories (Senior):

1. As a senior, I want a simplified user interface on the app so that I can easily navigate through different features without feeling overwhelmed or confused.

2. As a senior, I want the app to provide clear and concise step-by-step instructions on how to perform common tasks on my digital devices, such as sending emails, making video calls, or adjusting settings.

3. As a senior with impaired/limited abilities (ie: impaired hearing), I want the app to have large, easily-tappable buttons and text to ensure that I can interact with my device comfortably without straining my eyes or fingers. For example, adjustable font sizes, high-contrast themes, and visual notifications.

4. As a senior, I want the app to offer voice-guided assistance, allowing me to perform tasks through simple voice commands, making it more accessible for those with limited dexterity or vision impairments.

5. As a senior who may forget passwords easily, I want the app to have a secure but user-friendly sign-in feature, ensuring that I can access my digital devices without the stress of remembering complex passwords.

6. As a senior, I want the app to have a built-in emergency button or feature that quickly connects me with assistance or emergency services in case of a digital-related issue or if I need help with my device. (Optional)

7. As a senior who values privacy, I want the app to have straightforward privacy settings, ensuring that my personal information is secure and that I have control over what data is shared with the app and its features.

ARCHITECTURE DIAGRAM