Apoorva Ullas

apoorva.ullas@gmail.com, +65 96439640

EXPERIENCE

GovTech, Intern   **Jan 2018 – Jun 2018**
- o Worked with the Sensors and IoT team to design and implement the Public Key Infrastructure (PKI) for the Smart Lamp Post Project
- o Deployed a Software Development Kit (SDK) compatible with Android applications to provide embedded security when communicating with IoT devices
- o Used TPM as crypto processor with Raspberry Pi and got certified in use of TPM by Infineon

Timeliss, Front-end Developer   **Sep 2017 – Nov 2017**
- o Created homepage, login and questionnaire interfaces for start-up Timeliss using React

EDUCATION

National University of Singapore   **Aug 2019 – Jun 2020**
- o Master of Computing (Computer Science)
- o Graduated with Highest Distinction

National University of Singapore   **Aug 2015 – Jun 2019**
- o Bachelor of Computing (Honours) in Computer Science
- o Graduated with Honours (Distinction)
- o Certificate of Distinction in Computer Security and Software Engineering

PROJECTS

RepoSense (Honours Dissertation Project)   **Aug 2018 – May 2019**
- o Member of core development team as full-stack developer for open-source project
- o Implemented automated progress tracking of Github-based projects using Java with Vue.js and Jade
- o Used in NUS software engineering modules to grade student projects

Smart Living Hackathon   **Jun 2018**
- o **Won "Best Hack"** and $1,000 for having best hack built in 24 hours out of 35 teams
- o Integrated computer vision with voice technology to improve quality of customer care services

Find My Soulmate!   **Jan 2020 – Mar 2020**
- o Web application uses user's social media profile to analyse personality and find match
- o Integrated Facebook and IBM Watson Personality Insights Service for personality analysis
- o Hosted on AWS, Vue.js for front-end and Node.js with Express and MongoDB for back-end

Exploitation of MIFARE Classic Card   **Feb 2017 – Apr 2017**
- o Explored the possibility of sniffing and modifying data stored in a MIFARE Classic 1K exploit card using a NFC reader for an academic project

CERTIFICATIONS

Ethical Web Hacking   **May 2020 – Jul 2020**
- o 10-week course on web application penetration testing

SKILLS

- o Languages: Java, C, C++, Python, Javascript, XML, JSON
- o Web development: AWS, IBM Cloud, Node.js, Vue.js, Django, React, PostgreSQL, MongoDB

ADDITIONAL INFORMATION

- o Fluent in English