Shradheya Thakre

Mobile   : +65 8341 7302
Email   : tshradheya@u.nus.edu
Skype   : tshradheya

LinkedIn   : tshradheya
GitHub   : tshradheya

Personal Statement

Internship Objectives

Seeking a position as a Software Developer at a start-up where my strong problem-solving and analytical skills will be utilized. Having previous relevant experience with several technologies and as a fast learner of new technologies and tools, I can promise to get work done at a fast pace with great efficiency.

About Me

I am a hard-working student pursuing my bachelor's degree in Computer Science at National University of Singapore. Born in India, I have spent majority of my time living in different countries like Libya, Oman and Kuwait after finally coming to Singapore to pursue my undergraduate studies. I am a highly skilled programmer with strong interests in Web and Mobile Development. I have had prior experiences in building my own side projects from scratch to learn new technologies and working on huge open source projects to learn organization level code and contribute to it. I am currently an active contributor for TEAMMATES and Wikimedia Commons Application.

Strengths & Weaknesses

Strengths:
- Posses the ability to achieve tasks when working alone or as part of a team
- Provide with valuable inputs when deciding on why/how to implement a feature
- Well organized, efficient and professional working style
- Learn new technologies quickly and contribute efficiently
- Writing code of Production level

Weaknesses:
One of weakness is that I am a shy and nervous person, however I have been addressing it over the past few years by giving tech talks and communicating with several people during school projects and internships. This has made me realize that I can easily blend in once I know the people well and hence I tend to be easy going to get along with different people. Another of my weakness is that if I have multiple tasks to do, I always tend to prioritize one over the other which doesn't allow me to do other tasks with complete efficiency. To address this weakness, I have been working simultaneously on different projects and doing part time internship so that I can improve my skills at multitasking efficiently.

How I can Contribute?

Having the experience of developing software from scratch and contributing to open source software, I can contribute effectively by working single-handedly on big features as well as working on fixing bugs. I am an easy-going person and will be able to work in a team in an efficient manner. Having been programming for almost 4 years now, I am quite proficient in various areas and will be easily able to pick up new skills which will improve my skills and allow me to contribute more to the company.

Hoping to find my next challenge in the world of software industry, and to grow my portfolio within an innovative and exciting company.

Education

Aug 2016 - Present	**National University of Singapore** Bachelor of Computing (Honours) in Computer Science Specialization: Software Engineering *(Course details in Appendix A)*	Singapore
April 2014 - Mar 2016	**Indian Educational School, Kuwait** • All India Senior School Certificate Examination • Subjects: Physics (A), Chemistry (A), Mathematics (A), Computer Science, English Core • 98% [1st Rank in Middle East, Top 0.1% in India]	Kuwait

Work Experience

Dec 2017 - Present	**TEAMMATES – Open Source Software** *Full Stack Developer* • Took part in weekly scheduled releases by contributing bug fixes, reviewing Pull Requests of other contributors and implementing new features in a 100k+ lines of code project. • Developer for a free online Java Web Application for managing peer evaluations and other feedback paths of students, with a total user of over 200,000 students from over 1,400 institutions globally. • Used Technologies: - Java, JavaScript, jQuery, Google App Engine, JSP, Gradle, HTML, CSS, Git.	Singapore
Aug 2017 - Present	**National University of Singapore** *Teaching Assistant* • Taught a group of 15 students having no programming background the CS1010(Programming methodology) module in with language of choice C. • Taught CS2103(Software Engineering) module in which I led 2 teams in developing their Address Book Application project using Scrum methodology to learn project management by enhancing a basic project	Singapore
May 2018 – Present	**Dexecure** *Software Developer Intern* • Dexecure speeds up websites by automating optimization techniques using latest web technologies. • Fixed bugs in the website and enhanced various tools which are used to speed up websites	Singapore

Extracurricular Activities

July 2016 - Present	**Campaign Member	Aam Aadmi Party, Political Party (India)** • Helped the party by doing campaigns to convince people to join the party as the member and voting for the State elections. • Research Intern for the Press Conferences of AAP Leaders	India
Aug 2016 - May 2018	**Production Head	Indian Instrumental Ensemble** • Managed 2 sold out musical concerts in Esplanade taking care of all Production and Stage Management with 20+ performers • Skilled in Event Management in Sounds and Lightings of a concert	Singapore
April 2014 - Mar 2016	**Student Editor	Indian Educational School, Kuwait** • Headed a team which was responsible for the planning, selling and editing of Annual School Magazine, Tejas 2016 • Oversaw the whole process of all events and discipline in school being a Council member	Kuwait

Projects

May 2017 – July 2017	**NUSEvents	Android Application**	Singapore

- Developed a native Android Application in a group of 2 using Android Studio(Java) from scratch for university to students to keep track of interested events in campus and effectively manage their appointment.
- Engineered clean UI/UX(XML) design and used SQL and JSON(Firebase) in backend for students to keep track of all events in campus and indicate interest.

Jan 2018	**OutCognito	Chrome Extension – Winner Hack & Roll 2018**	Singapore

- Created a Google Chrome extension which publicly tweets out from the users Twitter account all the keystrokes and websites that a user visits.
- Used NodeJS for backend to authenticate and sent HTTP requests and wrote client-side scripts to anonymously gather user activity.

Dec 2017 - Jan 2018	**Live Sports Matches Discussion Chat Room**	Singapore

- Built a functional deployed website using Angular in front end and ExpressJS and MongoDB at backend to allow sports enthusiast to chat on a live forum to discuss the ongoing live matches.

Skill Sets & Proficiency

Office Productivity	Microsoft Word, PowerPoint	Proficient
	Microsoft Excel	Intermediate
Web	HTML, CSS	Proficient
	JSP technology, jQuery	Intermediate
	NodeJS (ExpressJS)	Intermediate
	Writing RESTful API's	Intermediate
	AngularJS, ReactJS	Basic
	Ruby on Rails	Basic
Database	MySQL DBMS	Intermediate
	SQL (Sequelize, PostgreSQL)	Basic
	NOSQL (MongoDB)	Basic
Programming	Java	Proficient
	C, C++	Intermediate
	Python	Basic
	Shell Scripting	Basic
Scripting	JavaScript	Intermediate
Markup	XML	Intermediate
Testing	Junit, NgTest	Intermediate
Mobile Applications	Android (Java & Kotlin)	Proficient
Hardware Design	Circuit design	Basic
Non-technical Skills	Software Design Principles and Patterns	Intermediate
	Project Management	Basic
	Static Analysis Tools	Basic
	Writing (Documentation)	Basic

Language Proficiency

Spoken	English – fluent; Hindi – fluent
Written	English – competent; Hindi – competent

Additional Information

- 3-time Gold Medalist in National Math Olympiad and Awardee of K.M. Munshi Excellency in Mathematics
- State-level Basketball player (2 Silver and 1 Bronze)
- Keen follower of Sports events and Indian Politics
- Project management and Team Leadership skills

APPENDIX A

Degree: Bachelor of Computing (Honours) in Computer Science
Cumulative Average Point: 4.82 / 5.00

Year	Level	Course Description	Grades
Aug – Nov 2016	Year 1/Semester 1	Programming Methodology	A+
		Discrete Structures	A-
		Linear Algebra	A
		Building a Dynamic Singapore – Role of Engineers	S
		Einstein's Universe and Quantum Weirdness	A-
Jan – May 2017	Year 1/Semester 2	Data Structures and Algorithms - I	A-
		Computer Organisation	A+
		Quantitative Reasoning	A
		English for Academic Purposes	S
		Exploring Computational Literacy Media	A
		Calculus for Computing	A
Aug – Nov 2017	Year 2/Semester 1	Independent Software Development Project	CS
		Software Engineering Principles[#]	A+
		Introduction to Computer Networks	A
		Data Structures and Algorithms	A
		Effective Communication for Computing Professionals	A-
		Innovations in Organisation and Society	A-
Jan – May 2018	Year 2/Semester 2	Operating Systems	In-Progress
		Thematic Systems Project I	In-Progress
		Thematic Systems Project II	In-Progress
		Probability and Statistics	In-Progress
		Asking Questions	In-Progress

\# The **Software Engineering Project** focuses enhancing a CLI address book application to add new features. In a team of 4 members we implemented new features using Version Control (Git) in an Agile process. I built a total of 5 features over 6 weeks and helped in code review and resolving conflicts and merging PR's of teammates. Several software Engineering Aspects like Testing using JUnit, writing useful documentation for User Guide and Developer guide and CI tools like Travis, CodeCov and AppVeyor were used in the project.

My Individual portfolio for the project can be accessed here.

NUS Grading Scale:

A+ & A (5.0); A- (4.5); B+ (4.0); B (3.5); B- (3.0); C+ (2.5); C (2.0); D+ (1.5); D (1.0); F (0)

S = Satisfactory; U = Unsatisfactory

CS = Completed Satisfactorily; CU = Completed Unsatisfactorily

EXE = Exempted; IC = Incomplete; IP = In Progress; W = Withdrawn