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**Harsh** Gadodia

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EDUCATION

**NATIONAL UNIVERSITY** **OF SINGAPORE**

Computer Engineering, 2019

*University Scholars Programme*

*(Honors College)*

*(Liberal Arts Programme)*

# PROGRAMMING

Java, Swift, SQL, JavaScript, C, Assembly, Verilog

AWARDS

2018 Overall Winner, Hack&Roll, Singapore’s largest Hackathon

2016 Overall Winner,

Facebook Hackathon Southeast Asia

2016 Top 8, Facebook World Hackathon Finals, USA

2018 3rd, AWS Cloud Hackathon

2017 NUS Overseas Colleges Scholarship

2017 Singapore Government Technology Scholarship

2016 Ngee Ann Kongsi Scholarship

COURSEWORK

Data Structures and Algorithms

Software Engineering

Computer Interfaces

Computer Networks

Operating Systems

Databases

Computer Architecture

Signals and Systems

Digital Fundamentals

Probability and Statistics

# EXPERIENCE & PROJECTS

**Epic!** | SOFTWARE ENGINEERING INTERN

January 2017 – December 2017 | San Francisco Bay Area, California

* Worked on back-end to make searching for content easier, smarter, and faster, using Sphinx and TensorFlow
* Created quizzes on iOS, a new category of content for users to test their knowledge, compete with friends, and earn badges
* Worked on internal tools for content team to upload materials effortlessly onto the platform while doing checks for mistakes and errors
* Worked on a teacher panel to allow teachers to track their classroom progress and sync with Google Classroom
* Made animations smoother and smaller in size using open-source iOS animation libraries

**Karina** | TEAM MEMBER

September 2018 | Singapore

* Built an AI personal assistant POC from scratch for KKH IVF Clinic, Singapore’s largest IVF center, with a team of 2 others
* Built completely using cloud services including AWS tools such as Cognito, S3, lambda, SES, SNS, CloudWatch, Lex, VPC and RDS
* Designed database schema from scratch
* Designed product to be secure and elastic
* Compliant to hospital privacy and availability guidelines
* Undergoing development of product for production solution

**Sharktanks** | TEAM MEMBER

July - December 2018 | Singapore

* Built a Kickstarter-like crowdfunding website using Node, Express, React, PostgreSQL, and Sequelize with a team of 3 others
* Wrote complex SQL queries to be able to query database for various use cases efficiently

**FoodHero** | TEAM MEMBER

September 2018 | Singapore

* Built a Facebook messenger bot to prevent food wastage after big events like conferences with a team of 3 others
* Used machine learning to estimate quantity of food available
* Built a website to display type of food available, quantity, and expire date and time to charities

**National University of Singapore** | TUTOR, COMPUTER SCIENCE July 2018 – Currently | Singapore

* Tutored students in Programming Methodology weekly for 2 hours
* Graded work, commented on code, and enforced good coding practices
* Conducted office hours for students to clarify doubts and talk about concepts