# Abhinandan Srinivas

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## Web Applications | Full Stack Development

## Education

July 2016 - July 2020

University of Sydney - Bachelor of Computer Science and Technology

## Relevant Experience

October 2020 -Current

**Saemushi PVT LTD, Remote** - Angular Development Internship

I am currently interning at a SaaS startup working on the frontend. What I learnt here is the focused adherence to the design document and the paradigm in which frontend developers need to collaborate with multiple backend and design developers to create the product. In addition, interning here is helping me code collaboratively and implement good coding practices that allow other developers to understand my logic.

- Implement issues for products with Angular.
- Was also taught the AWS stack and backend deployment services.

August 2019 - November 2019

**Western Sydney Local Health Services, Westmead** - Mobile App Development, REST API Development, Testing

Working with the health sector, I was able to see how technology would be helpful in making a difference even when it has little to do with the human body analysis. We, a group of 5, were tasked to provide a mobile application that allows ED services to monitor the logistical data. This was my first introduction to application of what I learnt from the years of study, where we needed to iterate through the sprints consisting: gathering scope, running in sprints, testing the product and presenting it to the customer every 2 weeks. This provided me the opportunity to learn more about liaising with clients, setting reasonable scope and SMART goals, pair programming and having a comprehensive testing procedure.

Key Tasks-

- Develop the backend RESTful connection endpoints. Consume data from the front end and pass it appropriately for computation, and provide results in JSON format. Used the Flask micro web framework with Python.
- Test the entire stack, with automated tests including - unit tests, functional tests, system tests and benchmark tests. Used Jest to test React Native code and Pytest for the server-side python code.
- Capstone internship organised by the university, documentation (GitHub) available here.

August 2019 -November 2019

**ANZ, University of Sydney, ANZ office (Pitt Street) - Design and Technical Research**

The project tasked us with analysing the implications of open banking set to be implemented in Australia (albeit with a lot of deferral) and look at how it could benefit ANZ. This was an interdisciplinary project organised by the university where I had to collaborate, in addition to the liaison provided by ANZ, with people coming from different areas of specialisation. There were two key takeaways

from the project. First being the importance of conducting sound theoretical research and presenting the results clearly. Additionally, from the implementation, I learnt the subtle nuances in design that have long lasting impact.

Key Task-

- Research to provide the technical feasibility of the product.
- Generate an initial proof of concept, with a prototype accessible here.
- Provide concrete research based evidence to the reasons behind the design, perform iterations of designing and testing (SUS, Guerilla, Stress tests).
- Multi-disciplinary unit organised by the university.

August 2017 - Current

**Rocketboy Pizza, Potts Point, Randwick, Maroubra - Delivery**

I work as a casual hire to meet my daily needs. One key project here in an effort to apply my technical skills to solve a problem, was when I created a web application that allows the store managers to order food prep by clicking screens instead of manually having to run through a sheet of food items and typing it out.

- Started as a delivery driver at the Potts Point store and progressed to take multiple responsibilities as listed above.
- Built a **web page** with React JS to help replace manual ordering of the food needed to prep.

# Skills

React, Python and GraphQL

**Programming Languages**

- Backend: Java, Python, C, C++ and Node JS.
- Database: GraphQL, PostgreSQL and MySQL.
- Front end: HTML, CSS, JavaScript, React JS and Angular JS .

Additional Frameworks

Web - Django, Spring Boot, AWS EBS, AWS Lambda, AWS Cognito.

Desktop - QT  |  Mobile - React Native, Android Studio

Data Processing - Hadoop, Apache Flink   | Machine Learning - iPython, Pandas, SkLearn, Weka

**Testing**

Jest, PyTest, QTest, JUnit test and Apache Benchmark (for server performance).

**Design**

Figma, Balsamiq, Adobe XD, Adobe Illustrator.

**Deployment**

Can deploy applications to AWS ec2 instances or Red Hat Enterprise Linux Servers using services like Nginx with uWSGI or Tomcat.