

# Arpan KC

Hornsby, NSW

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## Career Summary

Computer Science graduate from the University of Wollongong with strong academic background. Exploring different technologies in web development with primary focus on full-stack Javascript. Skilled at writing well-designed, testable and efficient code. Strong work ethic and genuine passion for learning and exploring new tools and technologies, and building high-quality software.

## Technical Skills

Backend Programming	Node.js, Express, C#
API	REST API, JSON Web Tokens (JWT)
Database	MySQL, MSSQL, MongoDB (NOSQL)
MVC Framework	.NET Framework
UI Design	HTML5, CSS3, Javascript ES6+, Bootstrap, Buefy, Bulma, Charts.js, Quill.js
Version Control	Git, Github
Platforms	Ubuntu, Windows, CentOS
Javascript Frameworks	Vue.js
Web Server	Apache, Nginx
Data-interchange Languages	XML, JSON
Dependency tools	Gulp, npm, ESLint
Testing Frameworks	Mocha, Chai
Authorization Protocols	OAuth 2.0

## Experience

### Teacher's Guide - Project For Illawarra Shoalhaven Local Health District (ISHLD)

A .Net Application with mobile responsive front-end and CMS that includes WYSIWYG editors for website content manipulation including dashboard a dashboard for tracking user behaviour.

**Technologies used:** .NET CORE 2.1, MVC5 , Javascript, Bootstrap, MSSQL, Quill.js, Charts.js

**Project highlights and Features:**

- MVC based architecture with a responsive front-end.
- Simple CMS for CRUD functionality
- Dashboard for tracking user behaviours and button clicks
- WYSIWYG editor for website content manipulation

**Major Roles and responsibilities in the project:**

- Implemented cookie based authentication for login and authorization.
  - Created and implemented models for use with MSSQL database
  - Used SCRUM for agile development and participated in team-led solutions, reviewing peer's code for quality and completeness.
  - Created WYSIWYG editors and dashboards using front-end libraries like Quill.js and Charts.js.
  - Created mobile responsive components using Bootstrap.
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## Beating Bookies - Free to use matched betting tracker

A free to use service for storing and updating activities for matched-bettors.

**Technologies used:** Node.js, Vue.js, Express, Sqlite database , Testing framework: Mocha + Chai

**Technical Features:**

- OAuth 2.0 for authentication and authorization using Google API.
- Backend API and unit testing with Mocha and Chai.
- Responsive front-end using Bulma/Buefy component libraries.
- Github actions for automated testing and Continuous Integration.
- API based server architecture with component based frontend application.

## Education

### University of Wollongong - Bachelors in Computer Science

January 2017- December 2019

Graduated with Distinction finishing top 15% among cohorts.

### Kathmandu University - Bachelors in Computer Science

November 2015 -January 2017

GPA 3.9 average.

## Other Projects

Twenty74 Cafe website - <http://twenty74.com.au> (HTML, CSS, Bootstrap, PHP)

Life Science Nepal website - <http://lifesciencenepal.com> (Wordpress, PHP, CSS)