

# Aishwarya Sahu

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## Skills

### PROGRAMMING

Python • JavaScript • C++

### FRONTEND

ReactJS • NextJS • HTML • CSS • Tailwind

### BACKEND

Django • Flask • NodeJS

### DATA

Excel • SQL • Tableau • Matlab

### MISCELLANEOUS

Git(Github) • Latex • Tableau • Bash • FlyIO • Netlify • Insomnia • AWS

## Certification

### SHE CODES

#### FULL STACK BOOTCAMP

📅 2023 📍 Sydney, NSW

### ENTRYLEVEL

#### PRODUCT CERTIFICATION

📅 2022 📍 Sydney, NSW

## Education

### UNSW SYDNEY

#### BE (HONS) IN MECHANICAL

#### ENGINEERING

📅 2020 📍 Sydney, NSW

## Awards

### WINNER

#### MICROSOFT CODESS AUSTRALIA: SHARE YOUR STORY

📅 2020 📍 Sydney, NSW

Highlighted personal brand and strengths through storytelling

### 2ND PRIZE

#### UNSW HEROES

📅 2018 📍 Sydney, NSW

Redesigned the end of term UNSW student survey with an MVP to demonstrate real time feedback

### WINNER

#### DATADRIVEN.SG HACKATHON

📅 2017 📍 Sydney, NSW

Built a user-centric data visualisation dashboard which aimed to reduce stress amongst flight travelers using Yellowfin BI and Tableau

## Experience

### LEAD INSTRUCTOR

#### CODE CAMP

📅 June 2023 – Present 📍 Sydney, NSW

- Teaching students between year 1 to year 8 block coding or line coding on the native Code Camp platform with class sizes of up to 40 students
- Providing guidance to students in debugging errors and assisting them in customizing their code to meet specific requirements

### ENGINEERING PERFORMANCE OFFICER

#### AUSTRALIAN GLASS AND WINDOW ASSOCIATION

📅 Apr 2022 – Aug 2022 📍 Sydney, NSW

- Utilized data analytics tools in both Excel and Python to successfully oversee the seamless transfer of the Window Energy Rating Scheme (WERS) database to a bespoke cloud-based solution
- Effectively oversaw task delegation and coordination among two junior team members while providing comprehensive training on essential processes to ensure task completion
- Devised effective strategies and collaborated closely with software engineers to resolve issues within WERSLink, ensuring that WERSLink operated smoothly for members, simulators, auditors, and other stakeholders

### GRADUATE MECHANICAL ENGINEER

#### GWA CONSULTANTS AUSTRALIA

📅 Mar 2021 – Mar 2022 📍 Sydney, NSW

- Enhanced internal Excel tools by incorporating macros and VBA to streamline the design and heat load calculation processes
- Collaborated with external sales engineers to gather equipment specifications suitable for project requirements and prepared documents for thorough tender evaluations

### ACADEMIC DEMONSTRATOR

#### UNSW

📅 Feb 2019 – Nov 2019 📍 Sydney, NSW

- Led tutorials for a class of 30+ students, ensuring a strong understanding of core theory in RobotC development for the end-of-term project, while also collaborating weekly with the lecturer and fellow demonstrators to optimize lesson plans for superior educational outcomes
- Managed grading responsibilities for course assessments each term for first-year engineering students

### PROCUREMENT INTERN

#### VERTIV

📅 Nov 2018 – Nov 2019 📍 Sydney, NSW

- Performed comprehensive Spend Analysis on mechanical and electrical subcontractors, categorizing expenditures by product category and ticket size
- Coordinated a team of 5 graduate engineers to assess the capability and regional presence of preferred subcontractors to collaborate closely with the ESG team to successfully implement post-order negotiation strategies

## Projects

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### GENERATIVE AI APP

TECH STACK: PYTHON, CHATGPT, FLASK, FLY.IO, GIT

This app was built during GovHack 2023 where we used a regression model written in Python to analyse a COVID19 data set and provide us with a vulnerability rating, which was then used with ChatGPT to output personalised health measures one could take to reduce the risk of getting COVID

### PORTFOLIO WEBSITE

TECH STACK: NEXTJS, NETLIFY, GIT

A portfolio website to showcase my fullstack projects developed individually or in teams at hackathons and at the bootcamp

### WORKSHOP SIGN UP PLATFORM

TECH STACK: DJANGO, REACTJS, NETLIFY, FLY.IO, GIT

A workshop sign up app built with backend in Django and frontend in ReactJS was made to provide a platform here someone interested in running a workshop could volunteer to run a new or existing workshop

### CROWDFUNDING APP

TECH STACK: DJANGO, REACTJS, NETLIFY, FLY.IO, GIT

Created the backend of a crowdfunding app in DR with the functionality to create user logins and create campaigns where users can pledge money

### SHE CODES NEWS WEBSITE

TECH STACK: DJANGO, NETLIFY, GIT

A blog posting app that allows users to create blogs and allows other users to like and comment on the blogs

### TO DO LIST

TECH STACK: FLASK, SEMANTIC UI, FLY.IO, GIT

A simple to do list which allows users to add an item and mark it as complete. Used Semantic UI for a clean frontend interface

## Volunteer

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### MENTOR

SHE CODES

📅 Aug 2023 - Present

📍 Sydney, NSW

After completing the SheCodes 6-month Plus Program in early 2023, I have continued to contribute to the community as a Mentor for one-day workshops and also helped with interviewing new candidates for the next Plus Programs

### DESIGN ENGINEER

ENGINEERS WITHOUT BORDERS

📅 Nov 2020 - Present

📍 Sydney/Phenom Penh

Used computational analysis for the accessible moto project which is a modified scooter aimed to enable 35k wheel chair users to autonomously board the vehicle

### IT EXECUTIVE

WOMEN IN TECHNOLOGY UNSW CHAPTER

📅 Nov 2017 - Dec 2018

📍 Sydney, NSW

Built and maintained the society's website and managed their enterprise email setup. Helped with organising the annual WIT Hackathon by gathering industry mentors and was the session photographer

### INSTRUCTOR

CODECREATE

📅 Jun 2017 - Jul 2018

📍 Sydney, NSW

Taught Scratch and Minecraft modding to elementary school students and HTML, and CSS and Python to high school students