

# ANJANEY C MAHAJAN

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## SUMMARY

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I am a software engineering student at the University of Melbourne with experience in React, Node.js, and Google Cloud. I possess strong UI/UX skills and an understanding of business processes. Seeking graduate and career opportunities, I am eager to apply my skills and knowledge in the Australian software engineering industry.

## EDUCATION

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### The University of Melbourne

M.S. in Software Engineering with Business

Feb 2020 - Dec 2023

- Relevant Course Work: Software Modelling and Design, Web Information Technologies, Software Processes and Management, Software Requirements Analysis, Masters Software Engineering Project, Marketing Management for Engineers, Economic Analysis for Engineers, Strategy Execution for Engineers
- Led a team of nine diverse software engineers who successfully developed a gating application for a local Airport Consultancy company. The application effectively scheduled and assigned flights based on a complex set of inputs and requirements, meeting the client's needs.

### North Carolina State University

B.S. in Computer Engineering (Distinction)

Feb 2020 - Dec 2023

- Relevant Course Work: Relevant Coursework: Foundation of Graphics, Embedded System Design, Embedded Systems, Microelectronics, Design of Complex Digital Systems, Architecture, Machine Learning, Practical Engineering Prototyping, Environmental Ethics
- Led a team of five computer and electrical engineers in the development of a device to assist the North Carolina Wildlife Commission in safeguarding and monitoring sea turtle nests. The device needed to be IoT-enabled and capable of remote deployment, with a web application to manage the system.

## WORK EXPERIENCE

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### Choppies Botswana, Software Developer

Dec 2021 - Feb 2022

- Independently developed a Rebate Management Application for Choppies Botswana's Accounting department.
- Utilized Django, Python, HTML, and CSS in the development process.
- The application automates the process of generating rebate documents using an existing Microsoft SQL database, resulting in increased efficiency and accuracy.

### NC State Engineering Village, Engineering Mentor

Aug 2017 - May 2018

- Aided and reinforced a comprehensive experience that blends the co-curricular with the academic for First Year Students.
- Served as a model of good leadership, as well as responsible academic and social behaviour

## PROJECTS

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### Airbiz Gating Tool

- Led a team of nine diverse software engineers who successfully developed a gating application for a local Airport Consultancy company. The application effectively scheduled and assigned flights based on a complex set of inputs and requirements, meeting the client's needs.
- Technologies: Java Vert.x, React, MongoDB, Figma for Design
- Achievements: Demonstrated leadership skills by successfully leading a team to develop a cutting-edge application that replaced an outdated tool. Managed team dynamics and fostered positive client relationships, while adapting to new technologies and project requirements. Gained valuable experience in project management, communication, and problem-solving.

### Diabetes @ Home

- Diabetes @ Home is a full-stack health application designed to help doctors and patients manage diabetes in the convenience of their own home. The application allows patients to record data that can be remotely monitored by their clinician.
- Technologies: MongoDB, Node.js, Chart.js, Handlebars.js, Figma for Design
- Achievements: Led the development of the full-stack application from conception to deployment, conducted user testing and feedback sessions to continuously improve the user experience of the application

### acmahaja.com

- acmahaja.com is a personal portfolio website that showcases my web development projects, skills, and achievements. The website has been developed and maintained for the past three years.
- Next.js, Typescript, MongoDB, Google Cloud

- Utilized Next.js server-side rendering (SSR) to improve website performance and enhance SEO. Created a dynamic and user-friendly interface using Next.js and TypeScript that allows for easy navigation and browsing of my projects.

#### TECHNICAL AND SOFT SKILLS

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- **Programming:** C, Java, JavaScript, Typescript, MATLAB, Python, NodeJS, Django MySQL, MongoDB, Bootstrap CSS, Google Cloud
- **Technical:** Sensor interfacing, Soldering, PCB Testing and Design, Microelectronics, Embedded System Programming, Hands-on Prototyping Designing and Testing skills, 2D and 3D Modeling using AutoCAD, 3D Printing
- **Soft Skills:** : Communication with Non-Technical Team Members and Clients, Critical Thinking, Team Management and Organization, Leadership, Complex Problem Solving, Attention to Detail, Mentoring, Working in Diverse Teams and Environment.
- **Linguistic Skills:** English, Conversational French, Conversational Hindi, Conversational Setswana

#### PROFESSIONAL DEVELOPMENT

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- Participation in inaugural HackMelbourne Hackathon April 2021
- Second in ECE 485 Senior Design Competition Spring 2020
- Volunteer for NC State Fall Engineering Career Fair Fall 2018
- Engineering Application Club, founding member Fall 2018 – Spring 2020

#### CLUBS AND SOCIETIES

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- Soccer Appreciation Society, Community Moderator, Graphics Designer, 2021
- Hack Melbourne, Active Member, 2021
- IEEE, Active Member, 2018 – Present
- Astronomy Club, Member, 2016-2017
- Engineering Application Club, Electronics team lead, 2018 – 2018
- Mathematics Tutoring, Head Tutor, 2014-2016
- Advanced & Beginners Programming Club, President, 2012-2016
- Squash, Coach & Team Captain, 2010-2016