

ANSHUMAN GUPTA

anshuman11197@gmail.com | +61 408 164 665 | Wollongong, NSW
www.github.com/anshuman-111 | www.linkedin.com/in/anshdev11 | www.ansh-dev.com

Summary

Detail-oriented software developer with high proficiency in **Python, React.js (TypeScript), and Node.js (TypeScript)**. Quick learner and dedicated problem solver, adept at developing and maintaining applications and committed to delivering high-quality, scalable software solutions. Passionate problem-solver eager to leverage my skills to contribute to your organization.

Experience

Software Engineer Intern **AML Cloud, Melbourne** **May 2023 – Sep 2023**

Anti-money laundering and sanctions screening application (<https://amlcloud.io>)

- Enhanced application performance by 30% by improving routing using `go_router` and query parameters.
- Refactored code and optimized the search component from 350 to approx. 200 lines of code resulting in better readability and future support.
- Reduced OpenAI API costs by 25% by implementing rate limiting logic in Node.js and Google Cloud function calls.
- Designed and implemented UI features to improve user experience.
- *Leveraged Knowledge in Full-stack development, APIs, and Git, implemented an event-driven architecture using Google Cloud functions and Node.js (Typescript), helped other interns to setup the development environment, followed SOLID and DRY principles, reviewed low complexity pull requests.*

Software Developer Intern **Fair Share Group, Melbourne** **Jan 2023 – May 2023**

Task-based share allocation application aimed towards start-ups trying to attract talent (<https://www.fairshare.group>)

- Created context-based stateful widgets to ensure data reliability across the application.
- Reduced error rate by 40% by refactoring code to better handle null checking.
- Implemented Flutter StreamBuilder to fetch changes in Firebase in real-time enhancing user experience.
- Refactored code to follow SOLID principles making the code future-proof and atomic.
- *Leveraged knowledge in Flutter and Git version control, used No-SQL ODM for fetching real-time updates from Firebase, added UI/UX improvements, debugged using Flutter and VS Code debugger, followed SOLID and DRY principles.*

Education

Master of Computer Science **University of Wollongong** **Mar 2021 – Dec 2022**

- Distinction Award recipient
- Merit Scholarship recipient
- Relevant Coursework: Service Oriented Software Engineering, Programming and Data Structures, Network and security, Computer Vision Algorithms

Key Skills

Proficient: Python, React.js, Django, Node.js, Git, HTML, CSS, JavaScript, Tailwind CSS

Familiar: AWS, Google Cloud, Docker, Flask, Pandas

Software Projects

Portfolio website Utilized: *React.js, Framer Motion, HTML, Tailwind CSS* (www.ansh-dev.com).

Rental Platform for Instrument Rentals Web Application

- Developed a web application using Django Rest Framework and React.js that allows users to create, update, delete, and browse rentals on the platform (<https://muso-frontend.onrender.com>).

- Integrated OpenCV library that calculates a score indicating the similarity between before and after images uploaded by the user.
- Added authorization and authentication measures using JWT tokens and token blacklisting to improve application security.
- Integrated AWS S3 for storage and retrieval of images and an AWS Lambda function that triggers deletion scheduled by AWS Eventbridge.
- Integrated build and deploy procedure using Railway cloud deployment platform and Git version control.
- Utilized: *Python, Django, React JS, AWS, OpenCV, PostgreSQL, HTML, Tailwind CSS.*

Layout Generator for a Concert Hall

- Developed an application that reads CSV files and generates a layout for a concert hall. This application is regularly used by Centro CBD restaurant and function centre, Wollongong NSW (<https://centrocdb.netlify.app>).
- Implemented data analysis and aggregation in JavaScript using DataForge.js to extract information like total number of customers, ticket type, and meal preferences.
- Added features to change dietary requirements for tables.
- Utilized: *React.js, DataForge.js, HTML, Tailwind CSS.*

Website for a bakery in India

- Developed a catalogue website using React.js and Strapi Headless CMS (<https://www.kocoamania.com>).
- Gathered specific requirements from the client and designed mock-ups based on requirements using Figma.
- Implemented search function based on tags, categories, and product names.
- Deployed the website on a Linux VPS server in India using Nginx, UFW, and PM2.
- Integrated Cloudinary CDN with Strapi CMS for handling images.
- Utilized: *Vanilla JavaScript, React.js, Strapi CMS, HTML, CSS, Git, VPS deployment.*