

Afthash Sahal Ubaid Puzhakkal

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🐙 Github

👤 PROFILE

Dedicated Masters student with a strong foundation in Computer Science and Software Development, seeking a technical role. Proficient in a range of programming languages and web/application development frameworks, with proven ability to communicate, solve complex challenges, and contribute to impactful projects.

🧠 SKILLS

Programming Languages

- Python, Javascript, C++

Machine Learning

- Numpy, Pytorch

Miscellaneous

- Git, Docker

Software Development

- Django, React, Redux, React Native, HTML, CSS

Database Management

- SQL, PostgreSQL

🎓 EDUCATION

Master of Artificial Intelligence and Machine Learning

University of Adelaide

GPA - 5.7/7

2023 – 2025

Australia

Bachelor of Technology in Electrical and Electronics Engineering

National Institute of Technology Calicut

CGPA - 7.8/10

2019 – 2023

India

📁 PROJECTS

Cloutgrid 🔗

Social media platform for Creators and Businesses

- Technology Stack : React, Redux, Django, PostgreSQL, React-Native.
- Built a full-stack application connecting content creators with businesses for collaboration opportunities.
- Implemented a user management system with distinct roles: Creator and Business.
- Enabled job posting for businesses and job applications for creators, with integrated social media features displaying follower counts and key metrics.
- Added responsive design and secured access through JWT-based authentication.

Customer Relationship Management System

- Technology Stack : Django, Tailwind CSS, Sqlite3.
- Created a CRM web application for tracking customer interactions and managing leads.
- Employed Django object relational mapper to handle complex database relationships, optimizing data retrieval processes.
- Designed a custom dashboard for agents to monitor leads and oversee customer engagement.

📅 PROFESSIONAL EXPERIENCE

Computer Science Intern

University of Adelaide, School of Chemical Engineering

2024 – present
Adelaide, Australia

- Developed a neural network model with PyTorch for solving the time-dependent Schrödinger equation (TDSE).
- Integrated Computer Science with Theoretical Physics with the help of Physics-Informed Neural Networks (PINNs).

VOLUNTEERING

National Institute of Technology Calicut

India

Hospitality Manager Volunteer

- Managed logistics and accommodation coordination for over 500 attendees during a large-scale inter university cultural festival.
- Ensured smooth operations and guest satisfaction.

REFEREES

Giuseppe Tettamanzi, *Senior Lecturer*,

Materials Engineering Theme, School of Chemical Engineering, University of Adelaide

giuseppe.tettamanzi@adelaide.edu.au

Alan Gardin, *Academic Researcher*,

Quantum Nanotechnology Group, School of Chemical Engineering, University of Adelaide

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