

ADHITHYAN AJITH

Home: Melbourne, VIC | **Mob:** 0455322272 | **Email:** connect.adhithyan@gmail.com
LinkedIn: www.linkedin.com/in/adhithyan-a- | **Personal Page:** www.adhi.page

Career Profile

Versatile and impact-driven Software & Data Specialist with 2+ years of hands-on experience in data analysis, machine learning, and full-stack development. Proven track record in delivering AI-powered solutions and web applications for real-world business needs. Skilled in Python, React, Power BI, and NLP, with a passion for innovation and problem-solving.

Education

Bachelor of Computer Science

Deakin University, Burwood

July 2022 – July 2025 | Major: Data Science | Achievements: High Distinction

High School - Computer Science Stream

MMRHSS, Trivandrum, Kerala

June 2017 - March 2019

- **Achievements:** State Level Winner in IT Skill Fest, Head of Science & IT Club, Face of School in IT Fest, Awarded as Young Innovator of the Year.

Experience

Junior AI & Automation Developer

Zenuca Technologies, Melbourne VIC

December 2024 – May 2025

- Designed and implemented low-code workflow automations using Microsoft Power Platform, streamlining operational processes and reducing manual effort by 20%.
- Built and integrated AI-powered solutions for workforce planning, leveraging Python and APIs to enhance scheduling efficiency and reduce staffing shortages by 15%.
- Developed and deployed custom API integrations to connect multiple internal and third-party applications, improving data flow and system interoperability.
- Created interactive dashboards in Power BI for real-time monitoring of staff allocation, improving decision-making speed and accuracy.

- Applied Natural Language Processing (NLP) techniques to analyse client feedback, driving a 30% improvement in service quality and retention.
- Produced data models and backend logic for AI applications, supporting secure, scalable solutions in healthcare staffing.
- Collaborated with cross-functional teams to scope requirements, design solutions, and deliver end-to-end automation projects within agile sprints.
- Coordinated with HR and operations teams to integrate AI-based workforce planning solutions.

Freelance Web Developer (Side Hustle)

Self-Employed

2023 – Present

- Created and optimized custom websites and applications for businesses by using React.js, Next.js, Three.js, WebGL, Blazor, and WordPress.
- Integrated **LMS solutions** for educational platforms.
- Developed Custom **Chatbot named 'Appu'** with personality traits.
- Managed hosting, maintenance, and troubleshooting for clients.

Works : <https://www.luminatus.ai> | <https://neviads.in> | <https://adhi.page> | <https://neviads.in>

Research Intern

Applied Artificial Intelligence Institute (A2I2) - Deakin University Burwood

September 2023 – December 2023

- Led research efforts in the **YouSay-WeSay USA Election Project** analyzing global perceptions of the 2024 US Presidential Election.
- Evaluated and implemented **interactive data visualizations with JavaScript** to analyze election trends.
- Designed and implemented a **real-time counter and live content updates** using JavaScript.
- Processed and analyzed **survey data** from numerous countries to generate insights on global electoral perspectives.
- Built a dedicated media coverage section showcasing project highlights in international publications.

- **The London School of Economics US Politics and Policy blog** featured research contributions.

Associate Software Engineer

Visualyze.AI, Trivandrum, India

February 2022 - August 2023

- Developed **Robotic Process Automation (RPA) solutions**, minimizing data processing time by **50%**.
- Performed rigorous code reviews, **reducing post-release defects by 20%**.
- Created scalable **data processing scripts** in Python and C#, improving performance by **40%**.

Other Roles:

- **Shift Assistant Manager - Trainee** (McDonald's, Box Hill North, Australia)
-

Technical Skills

- **Programming Languages:**
 - Python (NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn), R, SQL, Bash
- **Machine Learning & AI:**
 - Supervised & Unsupervised Learning, Regression, Classification, Clustering, Decision Trees, Random Forest, XGBoost, SVM, KNN, Neural Networks (MLP, CNN), Deep Learning (PyTorch, TensorFlow), Hyperparameter Tuning
- **Natural Language Processing (NLP):**
 - Text Preprocessing, TF-IDF, Word Embeddings, Named Entity Recognition, Sentiment Analysis, Topic Modeling, NLTK, spaCy
- **Data Analysis & Visualization:**
 - Exploratory Data Analysis (EDA), Feature Engineering, Statistical Testing, Power BI, Tableau, Matplotlib, Seaborn, Plotly
- **Big Data & Databases:**
 - SQL (PostgreSQL, MySQL), NoSQL (MongoDB), Google BigQuery, Apache Spark (basic)
- **Cloud Platforms & Tools:**
 - AWS (S3, EC2, Lambda), Azure (basic), Git, Docker

- **Software & Collaboration:**

- Jupyter Notebooks, VSCode, GitHub, Agile/Scrum, Jira, Confluence

Certifications

- Python for Data Science and AI - **IBM**
 - Technical Support Fundamentals - **Google**
 - Introduction to Artificial Intelligence - **IBM**
 - Generative AI and Prompt Engineering
 - Power BI Job Simulation - **PwC Switzerland**
 - Data Visualization Job Simulation - **Tata Consultancy Services**
-

Interests

- AI & Machine Learning
 - Data Science & Predictive Analytics
 - Natural Language Processing (NLP) & Deep Learning
 - Business Process Optimization
 - Entrepreneurship & Money Markets
-

Referees

Available upon request.