

OBE, Desmond Obinna

+61 413 283 707 | [E-mail Me](#) | [Queensland, Australia](#) | [GitHub](#) | [LinkedIn](#) | [Google Scholar](#)

CAREER OBJECTIVE

Versatile and results-driven technology professional with a strong focus on AI, machine learning, software development, and enterprise IT support. Passionate about delivering intelligent digital solutions that improve operational efficiency, drive automation, and enhance user experience. I aim to contribute to forward-thinking organizations by combining hands-on IT support with fullstack development expertise and deploying scalable, cloud-based AI models. Eager to solve real-world problems through data-driven insights, secure system integration, and collaborative innovation.

SKILLS SET

- Microsoft 365 – SharePoint, Teams, Office Online, Intune
- Programming & Dev. – Languages: Python, Kotlin, JavaScript, & C++.
- Web & App Dev.: Node.js, Django, Dart, Flutter, React, HTML, CSS.
- Mobile App Tools: Android Dev. Platforms, Wearables SDKs.
- AI and ML - Frameworks: TensorFlow, Pytorch, Keras, Scikit-Learn, & IBM Watson Health
- Concepts: Neural networks (CNN, RNNs), NLP, computer vision, & digital Phenotyping
- Data Science & Analytics - Tools: Pandas, NumPy, Matplotlib, Seaborn, Power BI, Seaborn Power BI, & Tableau.
- Techniques: Data pre-processing, feature engineering, model optimization sentiment analysis, behavioural biometrics.
- UI/UX designs: Figma and Frammer.
- Project Management: Asana, Jira, & Laravel.
- Cloud & Deployment - Platforms; AWS & Azure. Tools: GitHub, Git, CI/CD pipelines, High Performace Computing (HPC) environments.

EDUCATION

June 2025 – April 2029 Institution:	PhD in Artificial Intelligence Information Technology, College of Science and Engineering, James Cook University, Australia
Thesis	<i>Leveraging Active and Passive Sensing Technologies for Real-Time Assessment and Triage of Maternal and Paternal Perinatal Mental Health Risks</i>
May 2023 – April 2025 Institution:	Master of IT (Computing) Information Technology, College of Science and Engineering, James Cook University, Australia
Result Grade Obtained:	Distinction (6.69 CGPA on a scale of 7.0)
Aug. 2019 – July 2023 Institution:	Masters of Engineering (Power Electronics) Department of Electrical Engineering, University of Nigeria, Nsukka, Nigeria.
Thesis title:	<i>“Development and Analysis of a Single-phase, five-level, F-type inverter”.</i>
Result Grade Obtained:	Distinction (4.83 CGPA on a scale of 5.0)
Sept. 2011 – July 2017 Institution:	Bachelors of Engineering (Electronics Engineering) Department of Electronic Engineering, University of Nigeria, Nsukka, Nigeria.
Thesis title:	<i>“Design and Implementation of an Improved Door Security System using Fingerprint”.</i>
Result Grade Obtained:	Second Class Upper Division (3.85 CGPA on a scale of 5.0)
April 2016 – Sept. 2016 Institution:	Hokkaido University Short Term Exchange Program (HUSTEP). School of Engineering, Hokkaido University, Japan.
Result Grade Obtained:	Satisfactory

EMPLOYMENT HISTORY

IT Support Engineer <i>Risk 2 Solution Group, Australia</i>	<i>Apr 2025 – Present (Remote)</i>
• Assist in the support of Microsoft 365 services, particularly SharePoint, Teams, and Office Online.	

- Deliver Helpdesk support by managing incoming support tickets, tracking, troubleshooting, and resolving issues using the internal ticketing system.
- Support Microsoft Active Directory, including user account management, group policy maintenance, and access controls.
- Perform system and software installation, configuration, and updates as required.
- Deliver high-quality customer service by responding promptly and professionally to user requests and incidents.
- Document IT procedures, user guides, and troubleshooting steps to improve operational efficiency and knowledge sharing.
- Collaborate with the senior Microsoft 365 Engineer to deploy new team sites, features, and custom solutions within the M365 environment.
- Participate in regular IT team meetings and contribute to the continuous improvement of IT services and Microsoft 365 capabilities.

Website: <https://risk2solution.com/>

Machine Learning Engineer

Dec 2024–Apr. 2025 (Remote)

JutaLab, Nigeria

- Collected and prepared data from various sources, ensuring quality and consistency for machine learning workflows.
- Analysed large datasets to uncover trends and insights, supporting data-driven decision-making.
- Developed and optimised predictive models, achieving a 20% improvement in accuracy through tuning and optimisation.
- Created insightful reports and visualisations to present findings to stakeholders, simplifying complex data for non-technical audiences.
- Implemented MLOps practices for streamlined model deployment and maintenance, with automated CI/CD workflows.

Website: <https://jutalab.ng/>

Fullstack & Mobile Developer

Feb. 2023–Jan 2025 (Remote)

Nanocodes Programming, Nigeria

- Developed web and mobile applications using React and Flutter, integrated with secure RESTful APIs and backend databases for user authentication, session management, and real-time data retrieval.
- Designed and implemented relational schemas and NoSQL data models for feature modules, such as support ticket tracking and team collaboration interfaces.
- Built dynamic dashboards and reporting features powered by real-time database queries.
- Integrated backend services using Node.js with PostgreSQL and MongoDB, ensuring data integrity and performance scalability.
- Maintained Git-based CI/CD pipelines for streamlined deployment of database-driven features.

Website: <https://nanocodes.com.ng/>

Network Analyst Engineer

Nov 2021 – Jan 2023 (On-site)

Globacom Telecommunication, Nigeria

- Managed base station controllers and telecommunication equipment, ensuring optimal network performance and reducing downtime by 10%.
- Conducted detailed site audits, identifying areas of improvement and ensuring compliance with Nigerian communication regulations.
- Analyzed network traffic and congestion, implementing optimization strategies that improved data flow and increased network capacity by 25%.
- Prepared detailed reports on performance metrics, site activities, and revenue generation, providing actionable insights to senior management.

Website: <https://www.gloworld.com/>

Software and Cloud Engineer

Jul 2017–Aug 2021 (On-site)

Nanocodes Programming, Nigeria

- Developed cloud-based applications deployed on AWS and Azure, ensuring scalability, security, and optimized performance.
- Designed mobile and web applications focused on cloud connectivity and performance optimization, resulting in a

15% improvement in response times.

- Conducted workshops on programming, leading classes on Python, React, and cloud technologies.
- Facilitated learning for over 50 students, increasing pass rates by 25%.

System Administrator and IT Support

Jan 2014 – Dec 2014 (On-site)

JutaLab, Abuja, Nigeria

- Delivered technical support to 100+ users, resolving software, hardware, and network issues with a 95% first-call resolution rate.
- Conducted routine system maintenance, security checks, and network monitoring, reducing system downtime by 20% and proactively identifying potential issues.
- Configured and managed IT infrastructure, including server deployment and network setup, optimizing overall performance and reliability.
- Monitored system health and network traffic, implemented preventive measures, and ensured compliance with security protocols—reducing risk exposure by 15%.

Website: <https://jutalab.ng/>

AWARDS AND SCHOLARSHIP

- Awards**
- 2024 International Student Excellence Award by the Study Cairns
 - JCU Student Ambassador

- Scholarships**
- Japan Student Service Organization (JASSO) Scholarship, 2016.
 - JCU International Excellence Scholarship, 2023.
 - JCU Postgraduate Research Scholarship, 2025

MEMBERSHIPS BODIES

- Associate Member of Australian Computer Society – **4381109**
- Council for the Regulation of Engineering in Nigeria (COREN) – **R68938**
- Nigerian Society of Engineers (NSE) – **S20635**
- International Association of Engineers (NSE) – **509179**

PUBLICATIONS

1. **Obe, Desmond**; Obe, Titus; Odeh, Charles; Obe, Emeka, “A Five-Level Nested Neutral Point-Clamped Inverter Topology” IET Power Electronics, 2024, <https://doi.org/10.1049/pel2.12793>
2. **Obe, Desmond O.**; Obe, Chinedu T.; Ugwuishiwu, Chikodili H.; Obe, Pauline I.; Eneh, Agozie H.; Odeh, Charles I.; Obe, Emeka S.; “A Single-Phase, Nine-level Switched-Capacitor-Based Inverter,” *Journal of Power Electronics*, February 2024, DOI: <https://doi.org/10.1007/s43236-023-00758-1>
3. Gideon UMOH, **Desmond Obinna OBE**, Benjamin MAMA Pauline OBE, Chikaodili Helen UGWUISHIWU, Hyacinth Agozie ENEH, and Emeka Simon OBE, “Effect of Stator Winding Chording on the Performance of Five Phase Synchronous Reluctance Motor”, *Journal of Energy Systems*, Year 2023, Volume: 8 Issue: 1, 11 – 26. DOI: <https://doi.org/10.30521/jes.1255747>

REFERENCES

Available on Request