



Muhammad Yousif Channa

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Summary

As a curious and innovative individual, I'm passionate about embracing the Fourth Industrial Revolution by upskilling and reskilling. With over 12 years of experience in education, I've developed a unique blend of expertise in teaching, administration, and curriculum development. Currently, I serve as a Subject Specialist (Physics) at DCAR Sindh, where I've successfully enhanced learning environments, led administrative initiatives, and taught a range of subjects, including Physics, Chemistry, and Education-related courses. Additionally, I'm a skilled web developer and pursuing certification in Cloud Applied Generative AI Engineering, building on my strong educational foundation in Physics and Elementary Education from the University of Sindh. I'm dedicated to harnessing the power of innovation to shape the future of education.

Experience

Subject Specialist (Physics), Directorate of Curriculum, Assessment and Research Sindh, Jamshoro

School Education and Literacy Department, Government of Sindh, Pakistan

Apr 2024 - Present (5 months)

My new role to interact with great minds to improve provincial curriculum and education.

Member of Provincial Review Committee (PRC) regarding alignment of Sindh Curriculum of Physics for Grade IX to XII with adopted National Standards 2022-23.

Freelance Web Developer

Online

Jan 2020 - Present (4 years 8 months)

Incharge Principal, Government Elementary College of Education Women Thatta

School Education and Literacy Department, Government of Sindh, Pakistan

Sep 2021 - May 2024 (2 years 9 months)

Overall financial and administrative lookafter of the college:

Few achievements:

- Practicing School attached with college was started
- New park for female student was constructed from colleges own contingency resources and existing parks were maintained/extended.
- Solar system was installed from college resources.
- Learning environment was improved resulting improved attendance

Teaching, Mentoring, Assessment of B.Ed Elementary subjects (preservice students):

- Teaching Reading , - Reading Assessment , - Reading Difficulties, - Teaching Practice, - Teaching of Science, - Physics, - Guidance and Counselling , - Chemistry, courses at Undergraduate level

Web Developer and technical consultant

macart360.com

Jan 2011 - May 2022 (11 years 5 months)

Assistant Professor, Government Elementary College of Education (W), Thatta @Makli

School Education and Literacy Department, Government of Sindh, Pakistan

Dec 2019 - Sep 2021 (1 year 10 months)

Teaching, Mentoring, Assessment of B.Ed Elementary subjects (preservice students):

- Teaching Reading , - Reading Assessment , - Reading Difficulties, - Teaching Practice, - Teaching of Science, - Physics, - Guidance and Counselling , - Chemistry, courses at Undergraduate level

Lecturer/Instructor, Government Elementary college, Lyari, Karachi

School Education and Literacy Department, Government of Sindh, Pakistan

Jan 2018 - Dec 2019 (2 years)

Teaching Physics, Chemistry, General Science courses at Undergraduate Level to the ADE/B.Ed Elementary students.

Instructor/Lecturer, Government Elementary College of Education M/W Mithi

School Education and Literacy Department, Government of Sindh, Pakistan

Jan 2012 - Jan 2018 (6 years 1 month)

Taught Physics, Chemistry, Maths, General Science, Classroom

Assessment, Classroom Management, and Educational Psychology

courses at Undergraduate Level to the B.Ed Elementary students.

- Worked as Master trainer during Trainings of primary school teachers(PSTs) and Junior school teachers(JSTs)

- performed additional duties of Vice Principal, incharge examinations and incharge Computer Lab

- Attended various professional development activities under Pre-STEP, TEP, PRP and other projects

Meteorologist

Pakistan Meteorological Department

Sep 2009 - Jan 2012 (2 years 5 months)

Recording and analysing data from worldwide weather stations, satellites, radars and remote sensors

- interpreting observations from the land, sea and upper atmosphere
- providing weather reports/forecasts to civil aviation, media broadcast.
- employing mathematical and physical formulae and using computer modelling applications to help make long and short range weather predictions
- researching and predicting climate change
- helping to improve weather prediction models

Assistant Meteorologist

Pakistan Meteorological Department

Apr 2008 - Sep 2009 (1 year 6 months)

- Assisted in recording and analysing data from worldwide weather stations, satellites, radars and remote sensors
- Assisted in interpreting observations from the land, sea and upper atmosphere
- Assisted in providing weather reports/forecasts to civil aviation, media broadcast and military.
- Assisted in employing mathematical and physical formulae and using computer modelling applications to help make long and short range weather predictions



Internee

University of Sindh

Aug 2007 - Mar 2008 (8 months)

Teaching/Demonstration different subjects to BS(Hons)Physics students

Education



PIAIC

[Continued] Certified Cloud Applied Generative AI Engineer, Web development and Artificial Intelligence

Jan 2024 - Present

The Cloud Applied Generative AI Engineering certification program aims to prepare individuals for the revolutionary era of Generative AI, which promises to transform industries and generate significant economic benefits. The one-year program combines onsite and online instruction, covering topics such as GenAI application development, cloud computing, and DevOps. Participants learn practical skills in TypeScript, Python, front-end development using Next.js, and GenAI-related technologies.



University of Sindh

M.Ed, Elementary Education and Teaching

2015 - 2017



University of Sindh

BS, Physics

2003 - 2006

Licenses & Certifications



Learning Personal Branding - LinkedIn



Learning Arduino: Pulse Width Modulation - LinkedIn



AI For Everyone - Coursera

ZD82DFTVLEJ4



Blockchain Basics - Coursera

JF6TKUZWKRVQ

 **Building a Dynamic Web App using PHP & MySQL** - Coursera
ZFQWBC8W7JNP


 **Modern JavaScript: ES6 Basics** - Coursera

 **Google Cloud Fundamentals: Core Infrastructure** - Coursera
CAKQXHQ5JDVM


 **TypeScript String Properties and Methods** - Coursera Project Network
3CSL57D8HD5D

 **Foundation Module 1–3, Practicum Module 1–2** - USAID Teacher Education Project

 **Orientation Workshop for ADE Faculty members** - Provincial Institute for Teacher Education (PITE) Sindh

 **Seminar on Assurance of Learning** - Executive Development Center (EDC), Sukkur Institute of Business Administration

 **Project Management** - Uni-Tech

 **Training in HRM, Supervision, ICT, Financial Management & Quality Education** - Executive Development Center (EDC), Sukkur Institute of Business Administration

Skills

Teaching practice • Web Development • Collaborative Learning • Active Learning • Teacher Training
• Teacher Mentoring • Classroom Management • Assessment • Formative Assessment • Task Management