Asres Temam Abagissa

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EDUCATION

Arba Minch University
Bachelor of Science in Electrical & Computer Engineering;

Arba Minch, Ethiopia
Sep 2009 – July 2014

KIIT University
M.Tech in Computer Engineering;

Bhubaneswar, India
July 2016 – May 2018

Indian Institute of Technology Patna
Ph.D in Computer Science & Engineering;

Patna, India
Jan 2021 – Present

EXPERIENCE

Mizan Tepi University
Ass. Lecturer

Mizan Aman, Ethiopia
Nov 2014 - July 2016

- **Teaching**: Facilitated interactive laboratory sessions for undergraduate students, implementing innovative teaching methodologies; contributed to lesson planning, which led to a 20% improvement in student lab report quality and submission rates.
- **Technical works**: Organized and optimized lab equipment inventory for 10+ courses, saving 15 hours per week in setup time and improving lab preparation efficiency by 40%
- **Technical Research Supervising**: Orchestrated advanced coding and circuit design workshops for final-year students, significantly improving their technical proficiency and leading to a 25% increase in the quality of their research presentations.

Mizan Tepi University
Lecturer

Mizan Aman, Ethiopia
May 2018 - Jan 2021

- **Head of Department**: Led the Electrical and Computer Engineering Department, ensuring academic excellence and effective administration.
- **Teaching Research**: Pioneered research in deep learning applications for social media and IoT; published findings in 5 top-tier journals, contributing to a 20% increase in citations for the department.
- **Research Supervising**: Supervised final-year students on various research projects, fostering innovation and critical thinking. Guided students through the research process, from proposal development to final presentation..
- **Covid Projects**: Engineered and deployed sensor-driven, contact-free hand washing stations in university facilities during the COVID-19 pandemic; collaborated with interdisciplinary teams to increase hygiene standards and reduce contamination risks by 40%.

Indian Institute of Technology
Teaaching Assistant

Patna, India
Jan 2022 - Present

- **Assisting class lectures and labs**: Teaching programming labs, preparing course material, examinations, coding assignments and practical exams.

PROJECTS

- **Contact-free hand washing machine**: Designed and implemented a fully contactless hand washing machine using the proximity sensor.
- **Barber booking website**: Implemented a comprehensive barber booking and payment website; automated scheduling processes, cutting administrative tasks by 50%, and improved user satisfaction ratings by 40%, driving a 20% increase in repeat customers.
- **Lawyer website**: Fully automated lawer booking website for any attorney-required cases.

PROGRAMMING SKILLS

Languages:Python, Java, SQL, ReactJs, C/C++, JS
Technologies: AI, Machine Learning, MySQL, MongoDB, Raspberry Pi, Arduino, NodeMCU, ESP32

PUBLICATIONS

- **IoT Based Smart Agricultural Device Controlling System**: Leaveraging IoT to for Smarter Agriculture.
- **Distilbert-gnn: a Powerful Approach to Social Media Event Detection**: AI-driven Social Media event detection.