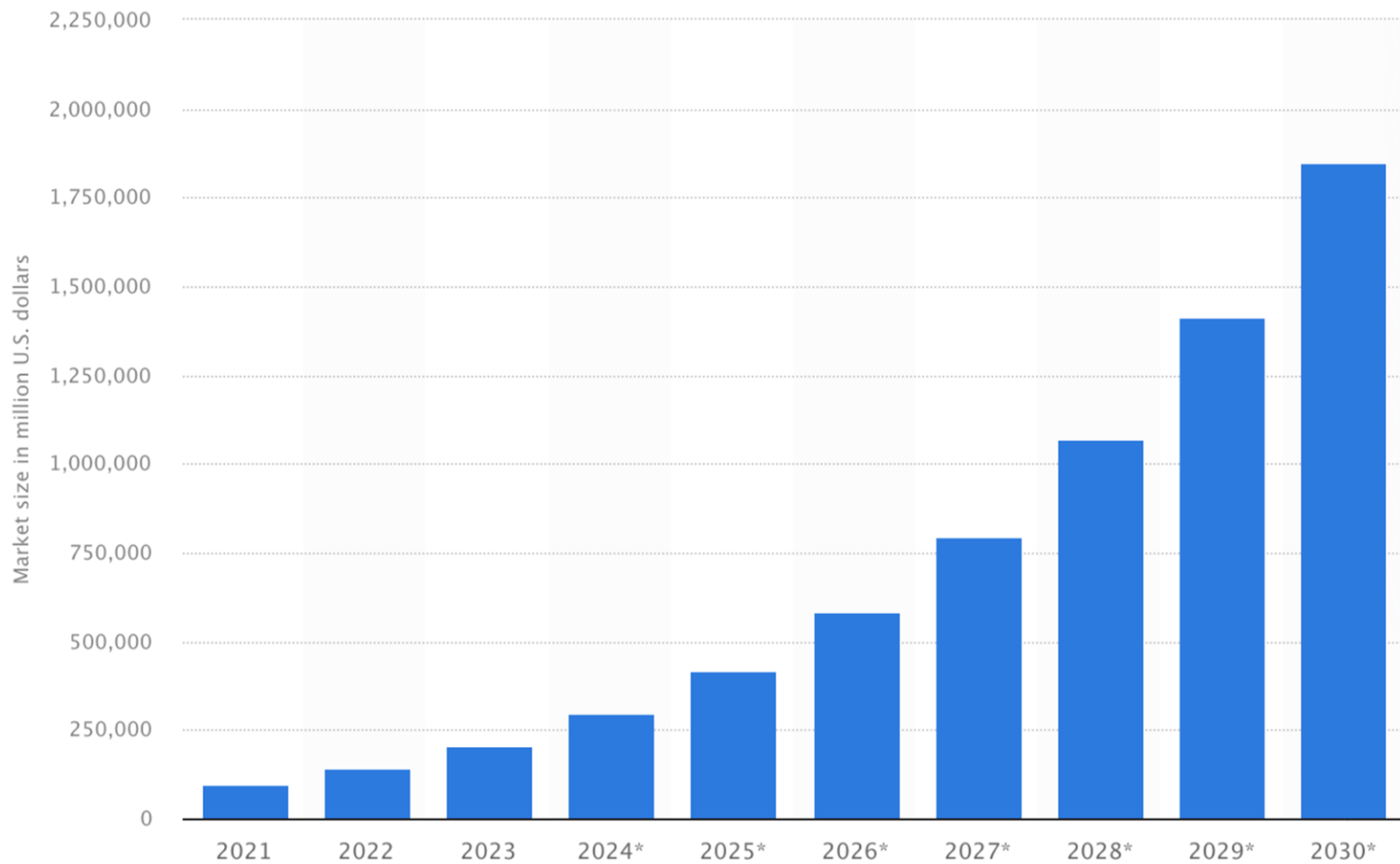# Preparing Students for an AI-Driven Job Market
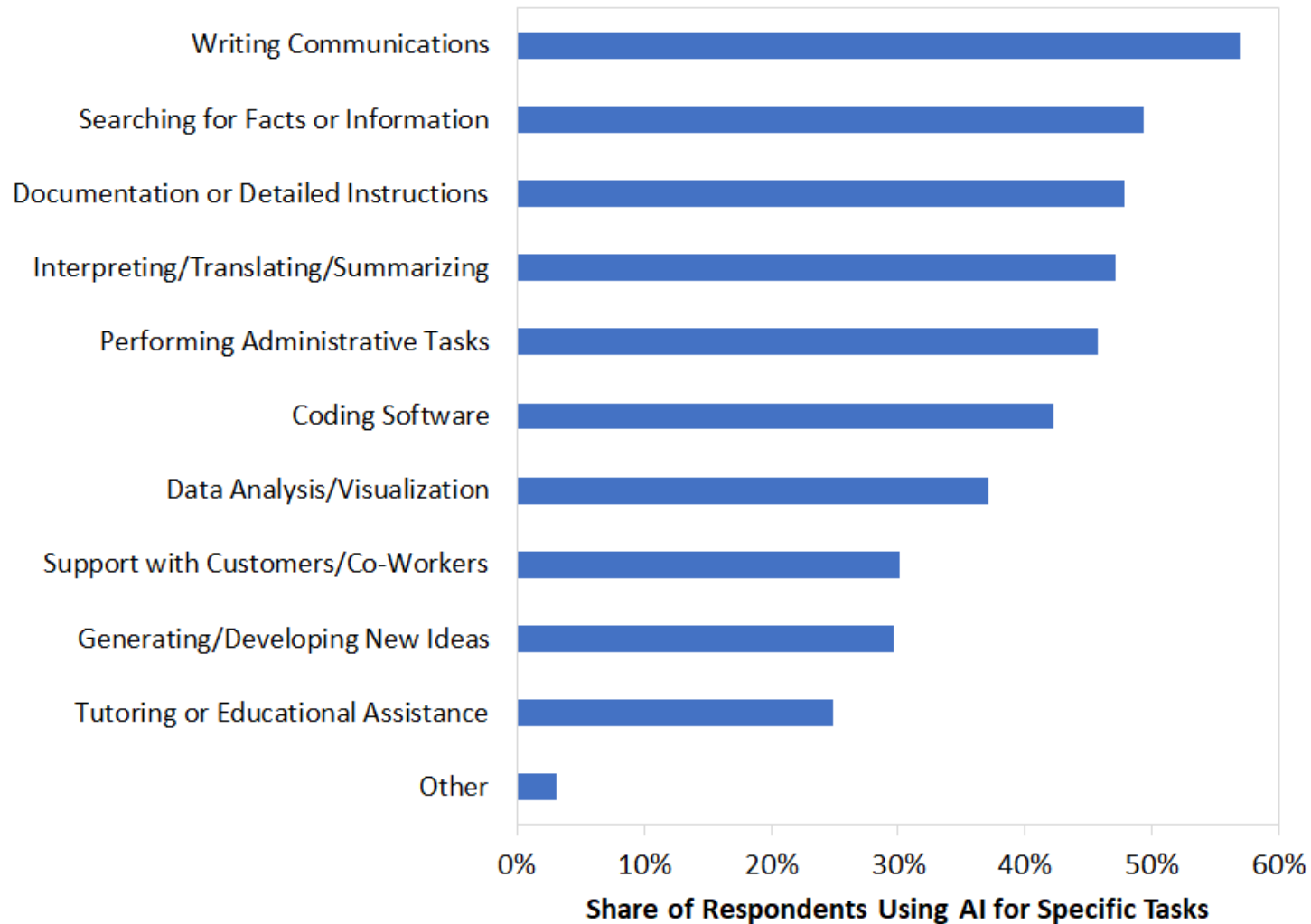
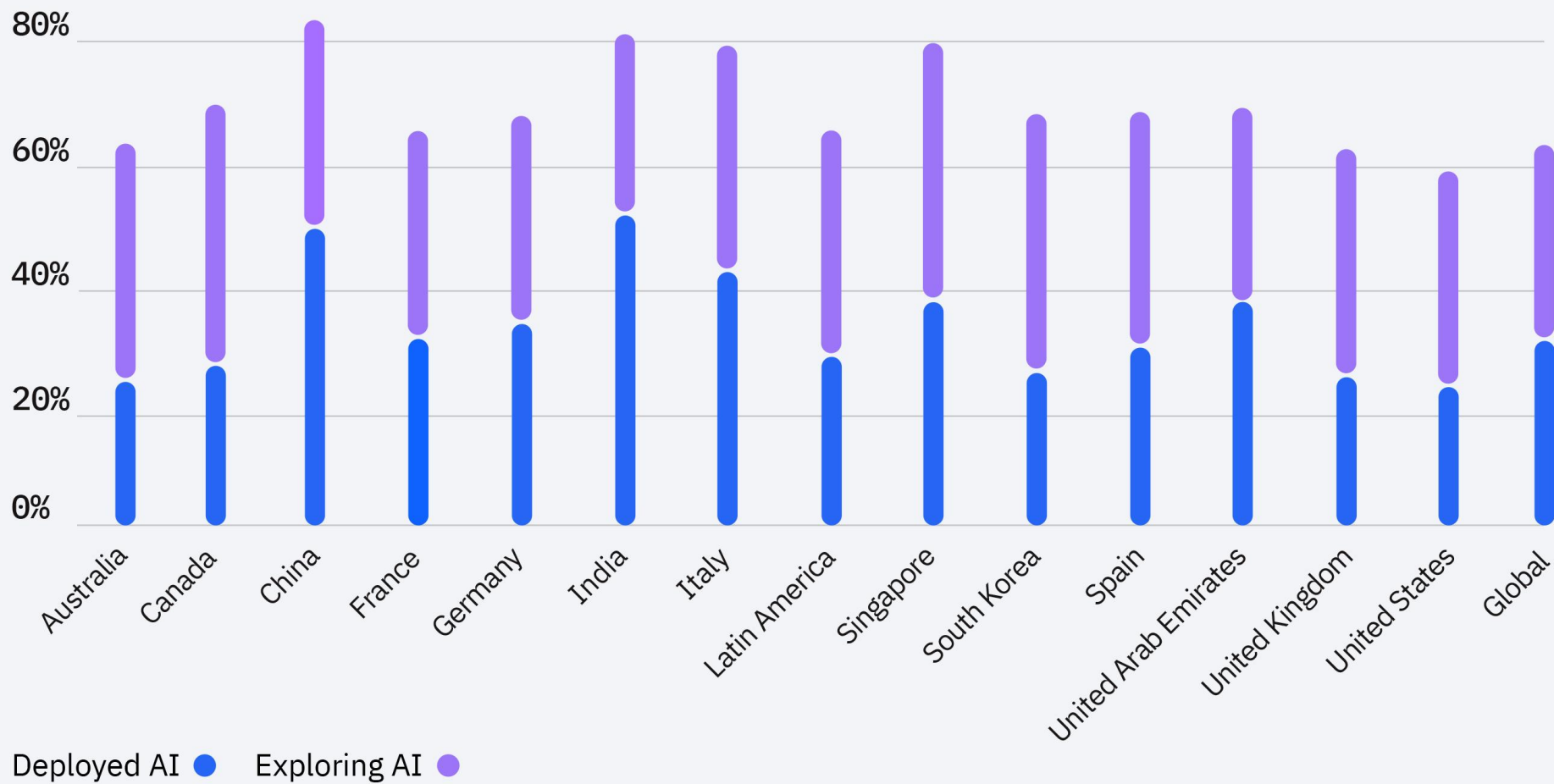Dr. Polla Fattah
University of Kurdistan-Hawler

Why Bother!?

	Share of Respondents Using AI for Specific Tasks
Writing Communications	~57%
Searching for Facts or Information	~49%
Documentation or Detailed Instructions	~48%
Interpreting/Translating/Summarizing	~47%
Performing Administrative Tasks	~45%
Coding Software	~42%
Data Analysis/Visualization	~37%
Support with Customers/Co-Workers	~30%
Generating/Developing New Ideas	~30%
Tutoring or Educational Assistance	~25%
Other	~3%

Share of Respondents Using AI for Specific Tasks

80%

60%

40%

20%

0%

Australia Canada China France Germany India Italy Latin America Singapore South Korea Spain United Arab Emirates United Kingdom United States Global

Deployed AI ●   Exploring AI ●
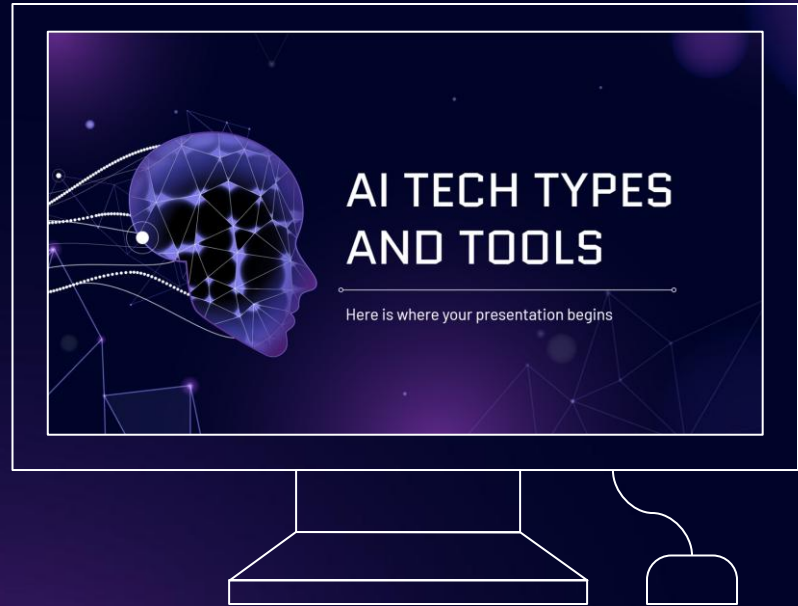
01

Disruption
Begins

Language and Grammar Checking

AI tools like Grammarly and ChatGPT outperform humans in speed

Entry-level proofreading jobs are vanishing

AI now rewrites tone, clarity, and even creativity

AI TECH TYPES AND TOOLS

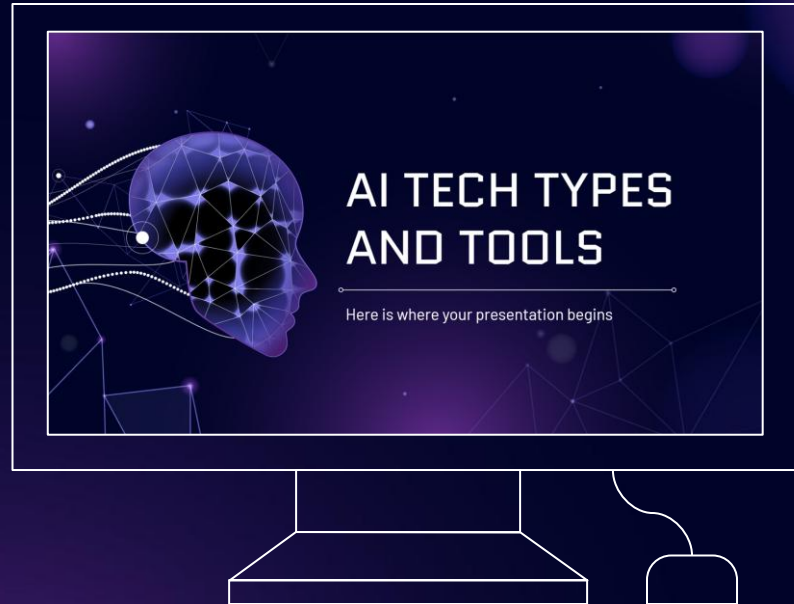Here is where your presentation begins

Automated Customer Support

AI chatbots handle most first-line queries

24/7 support with learning capabilities
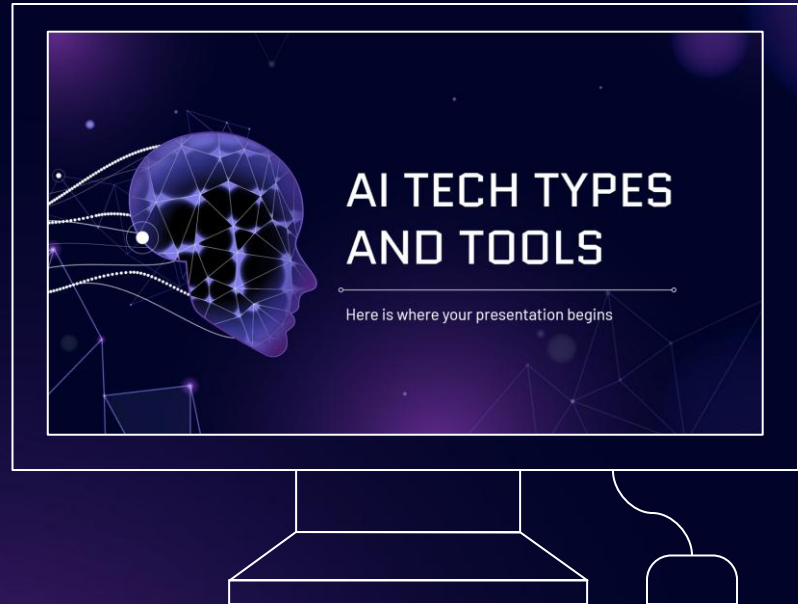
Reducing need for basic support agents

Transcription and Voice Recognition

Whisper, Otter.ai, Zoom auto-captions

Legal, academic, and media transcription jobs replaced

JOBS AT RISK

Legal Assistants

AI tools summarize and rewrite legal documents. Human review still needed — but role is shrinking

Radiologists

AI detects diseases with high accuracy. Human doctors become verifiers, not primary detectors

Translators

DeepL, Google Translate, GPT tutors. Human need shifts to high-context translation

Developers

GitHub Copilot autocompletes and debugs code. Developers move toward design and oversight

Accountants

AI tools automate reconciliation, invoicing, tax. Junior roles under threat

Universities' Response

Curriculum Updates for the Age of Intelligence

1

AI modules integrated across CS, Business, Health, and Engineering.

2

New degrees in AI, Data Science, Robotics, and Cognitive Computing.

3

Key courses include ML, NLP, CV, Ethics, and Data Visualization.

4

Programs offered in flexible on-campus and hybrid formats.

Lifelong Learning and Micro-Credentials

1

Rapid changes require continuous skill renewal beyond graduation.

2

Universities offer micro-credentials, nano-degrees, and certificates.

3

Programs serve both enrolled students and working professionals.

4

Emphasis on emerging skills like prompt engineering and AI safety.

Interdisciplinary AI Programs

1

AI modules integrated across CS, Business, Health, and Engineering.

2

Joint degrees and dual majors offer domain + technical depth.

3

Key courses include ML, NLP, CV, Ethics, and Data Visualization.

4

Graduates become hybrid professionals with broader perspectives.

Aligning Learning with Market Demand

1

Partnerships offer internships, sponsored projects, and mentorship.

2

Companies co-design AI curriculum to meet job market needs.

3

Examples include Microsoft and Google student programs.

4

Outcome: industry-ready graduates with relevant skills.

Industry-Facing Student Experiences

1

Hackathons and capstones solve real-world AI problems.

2

Students access real data, APIs, and production tools.

3

Professionals deliver guest lectures and provide feedback.

4

Education mirrors actual industry workflows and standards.

AI Labs as Learning Hubs

1

AI labs support student projects and faculty research.

2

Labs foster collaboration between academia and industry.

3

Research areas include LLMs, robotics, and smart systems.

4

Labs enhance innovation, teamwork, and entrepreneurial thinking.

Teaching What AI Cannot Replace

1

Focus on critical thinking, creativity, and ethics.

2

Soft skills are emphasized in both technical and non-tech courses.

3

Collaboration and empathy remain central to leadership roles.

4

Human-centered design thinking complements AI tools.

Policy and Practice Innovations

1

Mandate AI literacy across all university faculties.

2

Embed AI in courses on sustainability and global development.

3

Support grassroots innovation through student-led AI projects.

4

Promote international AI education alliances and resource sharing.

Examples of Change

Stanford

Human-Centered AI Institute fosters interdisciplinary leadership.

Oxford

Ethics-driven Responsible AI education.

UKH

Now have a fully functional AI Research Center

SUE

Now proposes for the MoHE to make AI compulsory subject across all deciplines

Thanks For Listening