

ZARTASHIA SALEEM

BSc Computer Science (Hons) | TU Dublin

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EDUCATION

BSc Computer Science (Hons) | Technological University Dublin

| Sep 2024 – Expected May 2028

GPA: 3.5/4 | Coursework: Program Design, Object-Oriented Programming, Databases, Operating Systems, Web Development

Eligible for Work Placement 2027

TECHNICAL SKILLS

Languages: Python, Java, C, C++, JavaScript, SQL, HTML/CSS

Frameworks & Tools: React, Node.js, Streamlit, Firebase, Git, GitHub, Pandas, TensorFlow

Core CS: Data Structures & Algorithms, Object-Oriented Programming, Operating Systems, Database Systems

PROFESSIONAL EXPERIENCE

AI Adoption Strategist Intern | Babylon Radio

**| Aug 2025 – Sep 2025
Dublin, IE**

- Deployed an LLM-powered chatbot that answered user queries using Babylon Radio's website content and advertised event information, integrating NLP and APIs into a production-facing solution.
- Evaluated ChatGPT, Claude, Gemini, and Perplexity across HR, development, UI/UX, and marketing workflows, leading to the adoption of AI automation for email responses, queries, job postings, and other manual processes.
- Trained 30+ employees on AI tools through 2 training sessions and 3 technical guides, covering workflow automation, coding, research, and effective tool selection.

Sales & Operations Manager | Chai Shai Restaurant

**| Jan 2022 – Sep 2022
Lahore, PK**

- Automated inventory tracking with HubSpot CRM and Python scripts, reducing manual data entry by 20% and improving record accuracy.
- Built Python and Tableau dashboards for demand analysis and procurement planning, reducing inventory waste by 10%.

PROJECTS

MellowTab

| [\(LIVE DEMO\)](#)

| Google AI Student Hackathon Project | Sep 2026

- Built a Chrome extension with teammates using JavaScript, Manifest V3, and Gemini API, combining text simplification, read-aloud support, and AI generated image descriptions.
- Added experimental flashing-video-detection using HTML5 Canvas and deployed an interactive project showcase on DigitalOcean with custom domain.
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Minecraft Autonomous Agent | [\(VIDEO DEMO\)](#)

| Daytona × Giveago Hackathon | Apr 2026

- Built an autonomous Minecraft agent using Mineflayer and DeepSeek, with a 1,200+ recipe planner and multi-step task decomposition for goal-driven gameplay.
- Implemented movement validation and safety checks to prevent invalid packets and server kicks during autonomous execution.

Photosensitive Epilepsy Accessibility Extension | [\(LIVE DEMO\)](#)

| Workday Hackathon | Apr 2026

- Won **Best User Experience** and **Best Presentation** by building and deploying a browser extension that detects and suppresses unsafe flashing patterns in video content in real time.

- Implemented frame-level video analysis and accessibility-focused mitigation, working in a multi-person team to deliver a functional live demo under hackathon constraints.

AI Study Buddy | [LIVE DEMO](#)

| Personal Project | Feb 2026

- Built and deployed an AI-powered study platform supporting **PDF, DOCX, and TXT ingestion**, with context-aware question generation, flashcards, summarisation, AI chat, and topic extraction.
- Added progress tracking and document-grounded study workflows, allowing users to generate and interact with personalised learning material from uploaded content.

LEADERSHIP & RECOGNITION

Class Representative

| TU Dublin | 2024 – Present

- Represent **60+ students**, gathering feedback and communicating academic and course-related issues to faculty.

Student Ambassador

| TU Dublin | 2025 – Present

- Represent TU Dublin at open days and prospective-student events.

Public Relations Officer

| TUD CS++ | Oct 2025 – Jun 2026

- Managed communications and sponsor coordination for a **300+ member** technical community.

TECHNICAL & INDUSTRY ACTIVITIES

- **Google AI Student Hackathon:** Collaborated with teammates to build MellowTab, an AI-powered Chrome extension featuring text simplification, image descriptions, and experimental flashing-video detection.
- **Workday Future Females in Tech (Aug 2026):** Won the UX Challenge by presenting a user-focused solution concept at an invite-only technology and engineering event.
- **Google Algorithms Workshop (Jul 2026):** Completed algorithms and technical interview workshop at Google Dublin.
- **MongoDB Women in Tech Summit (May 2026):** Selected for invite-only AI, engineering, and product summit.
- **University of Galway CompSoc CTF (Feb 2026):** Solved cryptography, web security, reverse-engineering, and digital forensics challenges.