

Nardy Attallah is a Computer Science and Engineering student at the German University in Cairo, expected to graduate in July 2025. His bachelor thesis, titled *Cooperative Perception and Control (CPAC) for Connected Vehicles*, was conducted in collaboration with Valeo and earned an A+ grade. Throughout his studies, he developed strong skills in machine learning, computer vision, and full-stack development, with hands-on experience in frameworks such as TensorFlow, PyTorch, YOLO, and React.

Nardy has gained professional experience as a Flutter full-stack developer in several companies, including ESG& Company, the German University in Cairo, and Egyptian Electrical Solution. In these roles, he built mobile applications and websites using Flutter and Firebase to support business operations such as role-based access, factory materials management, and corporate platforms.

His project portfolio demonstrates a wide range of expertise. At Valeo, he contributed to autonomous driving research by integrating YOLO-based object detection, LiDAR, lane detection, and ROS, while benchmarking TensorFlow performance. He also built a machine learning model to predict heart failure using medical datasets, developed a full-stack healthcare platform with MERN Stack, and designed a cross-platform furniture e-commerce application with React Native and Firebase.

Beyond technical work, Nardy has been active in student life. At BRUKE Student Club, he served as a marketing and fundraising team member, where he secured sponsorships, organized campaigns, and helped deliver events such as Water Day and Phoenix.

He has also completed several certifications in artificial intelligence and machine learning. These include introductory and advanced courses from the University of Helsinki and DeepLearning.AI, covering topics such as supervised and unsupervised learning, reinforcement learning, neural networks, and deploying ML systems in production environments.

Fluent in Arabic and proficient in English (B2/C1), Nardy combines strong analytical and problem-solving skills with practical development experience. His technical toolkit includes Python, SQL, Flutter, React, React Native, Spring Boot, Docker, and modern AI frameworks, enabling him to contribute effectively to software engineering and machine learning projects.