

Mete Reis Kizildag

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SUMMARY

Computer Science student at the Technical University of Munich with a strong foundation in AI engineering, full-stack development, and cloud infrastructure. Winner of the TUM.ai x BMW AI Hackathon; experienced in building React Native and Python applications with LLM integrations, ML pipelines, and scalable backend tooling.

EDUCATION

B.Sc. in Computer Science | Technical University of Munich (TUM) | Germany Oct 2025 - Aug 2028

- Current GPA: 1.9/1.0 German grading scale, ranking in the top 7% of cohort.
- Relevant foundation in Python, machine learning, and full-stack development through coursework and applied projects.

IB Diploma & Turkish High School Diploma | ITU Development Foundation Schools Ekrem Elginkan High School | Turkey Sep 2021 - Jun 2025

- IB Diploma: 44/45, top ~0.5% worldwide; equivalent to German Abitur 1.0.
- SAT: 1500/1600, top ~1% worldwide; B.Sc. Informatics aptitude assessment: 99/100.
- GPA: ~96.7/100; high honors in Grades 9-12 and Certificate of Distinction for three consecutive years of high honors.

EXPERIENCE

Founding Engineer, Working Student | Stealth Startup | Germany Feb 2026 - Feb 2026 - Present

- Contributed to core product development in a small founding team, supporting the path from ideation, implementation and iteration.
- Build and test product features in a fast-moving early-stage startup environment

Co-Lead Technology & Operations Member | START Munich | Germany Nov 2025 - Nov 2025 - Present

- Supporting internal financial planning, project planning and cross-team coordination
- Built a startup concept in four weeks around social facilitation theory and developed a React Native mobile app prototype.

RESEARCH & PROJECTS

zoa. - Sports Partner Finder App | START Sprint Nov 2025 - Dec 2025

- Built a React Native + Expo mobile app demo with Supabase as the backend database during a four-week startup sprint.
- Participated in workshops on startup validation, product development, and rapid MVP iteration.

MyChef - AI-Powered Recipe Generation & Organization App | Independent Project Aug 2025 - Dec 2025

- Built a mobile app using React Native + Expo and integrated Llama-3.2-3B-Instruct via Hugging Face for recipe generation.
- Designed real-time recipe creation and organization workflows combining AI backend logic with a mobile frontend.

Concrete Image Classifier CNN Model | Deep Learning Project Jun 2025

- Designed and trained a CNN in PyTorch to classify broken vs. solid concrete images using data augmentation and model tuning.
- Evaluated performance and compared the custom model against a fine-tuned pretrained ResNet-18 baseline.

Rainfall Prediction Classification Model | Machine Learning Project Jun 2025

- Built Random Forest and Logistic Regression models to predict rainfall from historical Australian weather data, achieving accuracy of 0.83 and recall of 0.779.
- Handled data cleaning, feature selection, model training, evaluation, and visualization with scikit-learn and matplotlib.

Academic Portfolio Website | Full-Stack Web Development Project May 2025 - Jun 2025

- Built a dynamic academic website using Vite, React, TypeScript, and CSS with modular frontend architecture and clean UI/UX.
- Integrated Supabase backend services for authentication and a custom admin panel supporting dynamic content management.

Nanotechnology Research in Physics | TUBITAK Finalist Research Apr 2023 - May 2025

- Conducted research on PMMA polymers with silver nanoparticles and potential applications in energy storage, optics, and medicine.

COMPETITIONS

Winner TUM.ai x BMW AI Hackathon Developed an AI-driven solution to an industry challenge during a 48-hour sprint.	<i>Oct 2025</i>
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COURSES & CERTIFICATIONS

Oracle Cloud Infrastructure Foundations Associate Oracle University Covered OCI architecture, core services, security, pricing models, cloud computing concepts, and OCI use cases.	<i>Aug 2025</i>
IBM AI Engineering Professional Certificate Coursera Completed applied coursework in machine learning, deep learning, NLP, AI deployment, and generative AI using Python, TensorFlow, Keras, and PyTorch.	<i>Jun 2025 - Aug 2025</i>
Machine Learning Crash Course Google AI Covered supervised learning, neural networks, and model evaluation metrics.	<i>Mar 2025 - Apr 2025</i>

TECHNICAL SKILLS & LANGUAGES

Programming & Frameworks: Python, Java, TypeScript, HTML, CSS, React.js, React Native, Expo, Gradio
AI & Data Science: NumPy, Pandas, scikit-learn, Keras, PyTorch, OpenCV, TensorFlow
Tools & Platforms: Git, GitHub, VS Code, Google Colab, Jupyter Notebooks, Supabase, Hugging Face, GitHub Copilot, OpenAI tools, Claude
Practices: Version control, self-directed agile workflow, MVP development, data cleaning, model evaluation
Languages: Turkish (native-level), English (C1; CAE 2023, IELTS 2024), German (C1; TELC 2025)