

Adi Singh

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SKILLS

Languages: React (React Native, Expo), JavaScript (Next.js, Node.js),
Python (TensorFlow, PyTorch), C++, TypeScript

Technologies: Firebase (OAuth), PocketBase, MATLAB, Simulink, Arduino,
Azure, Vulkan, Docker

EXPERIENCE

Key Account Managing Lead | Orbit NTNU | Norway Aug 2023 - Present

- Worked on client communication, effectively explaining the complex technical processes of our satellite to non-technical stakeholders at Kongsberg and Telenor Satellites. Collaborated closely with technical teams specializing in hardware and C++ development to align product and software needs, facilitating clear discussions with sponsors to meet company objectives.
- Secured large deals by managing relationships with key sponsors, including NCAB Group and Nordic Semiconductors, resulting in an additional NOK 250,000 in funding till date.

Python Developer | Cogito AI NTNU | Norway Aug 2023 - Jan 2024

- Collaborated with a diverse team to develop "CatMatch," an AI-based matchmaking system, utilizing TensorFlow, PyTorch, and NumPy to create a self-driven neural network. Trained the model on tens of thousands of cat images, building a Tinder-like matching algorithm.
- Achieved a remarkable 97% classification accuracy through extensive testing with both internal users and open-source datasets, ensuring the system's effectiveness in real-world scenarios.

MIT Data Research | MIT Biogen Community Laboratory | US Jul 2022 - Aug 2022

- Conducted in-depth data analysis and research on new technologies for hydrocephalus treatment, working closely with professors at the MIT Biogen Lab. This involved navigating an entirely new research terrain, to identify innovative solutions for the medical field alongside a team of aspiring data scientists.
- Developed and presented a proposal for reworking traditional treatment methods, incorporating the research findings to improve cost efficiency by 300%.

SOFTWARE PROJECTS

SnapClass | Spark* | Remote Aug 2024 - Present

- Developing a full-stack web application using React, Next.js, TypeScript, and Tailwind CSS to rank group pictures, employing a REST API for precise sorting based on size and location.
- Implemented a Python-based backend with YOLOv8 and integrated MongoDB to handle data storage, enabling efficient image processing and retrieval.
- Preparing the product for funding rounds in Q4 by collaborating with stakeholders, setting a launch date for the end of October to capitalize on market readiness.

LlamaChat | Buildspace | San Francisco, CA Jun 2024 - Aug 2024

- Built a messaging application using Ollama Llama 3.1 for AI-driven responses and React Native for cross-platform development, integrating Firebase for authentication and data storage.
- Achieved over 500 users in the first week of launch, ensuring scalability and security through Firebase's real-time database.
- Completed this as part of a six-week incubator program in collaboration with Buildspace, concluding with a physical launch event in San Francisco attended by hundreds of startup enthusiasts.

EDUCATION

B.Eng. Automation of Intelligent Systems | Norwegian University of Science and Technology (NTNU)
Major Representative, Cybernetics Department "Klasse Tillitsvalgt (KTV)" August 2023