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## SUMMARY

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Versatile AI Engineer with a background in Mechanical Engineering. Currently pursuing an MSC. in Artificial Intelligence and Engineering Systems at Eindhoven University of Technology. Proven leadership as Chief Product Officer, driving R&D initiatives and securing 7 patents in composites and additive manufacturing. Extensive expertise in machine learning, software development, and engineering.

## EDUCATION

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- EINDHOVEN UNIVERSITY OF TECHNOLOGY, NETHERLANDS** 2023 - Present  
MSC. ARTIFICIAL INTELLIGENCE AND ENGINEERING SYSTEMS
- ML Team Lead at Serpentine AI - research group developing AI models for brain signal processing.
- BIRLA INSTITUTE OF TECHNOLOGY, MESRA** 2013-2019  
BACHELOR OF ENGINEERING - MECHANICAL ENGINEERING
- Vehicle Integration and Electrical Head - Firebolt Racing.

## EXPERIENCE

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- FABHEADS AUTOMATION** 2019-2023 / India  
CHIEF PRODUCT OFFICER
- Spearheaded product strategy contributing to the successful launch of innovative products and features.
  - Directed cross-functional Software and Hardware teams to ensure the timely delivery of high-quality products.
  - Co-inventor of 7 patents in the fields of Additive Manufacturing and Composites.
- FABHEADS AUTOMATION** 2017-2019 / India  
HEAD, ENGINEERING
- Pioneered the development of Asia's first carbon fiber 3D printer by leading a team of skilled engineers.
  - Successfully managed concurrent mechanical, electrical, and software projects.
- CARNOT TECHNOLOGIES** 2016 - 2017 / India  
PRODUCT DEVELOPMENT INTERN
- Improved thermal performance of a smart automobile device by 30%
  - Reduced the vibrational fatigue of the device by 15% by performing power spectral analysis.

## SKILLS

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**PROGRAMMING LANGUAGES** *Experienced:* Python | Typescript | Dart | Rust *Familiar:* Matlab | C++  
**SOFTWARE DEVELOPMENT** GIT | CLI | Agile Methodology | Experiment Tracking  
**FRAMEWORKS & LIBRARIES** PyTorch | Tensorflow | Numpy | Pandas | Scikit-learn | Weights and Bias |  
**WEB DEVELOPMENT** SvelteKit | Flutter | Firebase | FastAPI  
**LANGUAGES** *Native:* Marathi *Fluent:* English *Beginner:* Dutch

## CERTIFICATIONS

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- Deep Learning Specialization | Coursera | Feb 2023
- PyTorch for Deep Learning | Udemy | July 2023
- Rust Programming Language | Udemy | July 2023