

SAHIL VARTAK

+1 262-498-4505 | sahilrvartak@gmail.com

SUMMARY

Self-driven fullstack computer engineer with practical experience seamlessly integrating into pre-existing teams and contributing to major initiatives. Ceaselessly updating technical skills to meet industry demand.

EDUCATION

TEXAS A&M

Master's of Engineering in Computer Engineering

College Station, TX

Jan 2024 - Present

UNIVERSITY OF TEXAS AT AUSTIN

Bachelor's of Engineering in Computer Engineering

Austin, TX

Aug 2024

WORK EXPERIENCE

McDermott International, Ltd

IT Intern- Timekeeping and Enterprise Planning and Payroll Systems

Houston, TX

May 2024 – Aug 2024

- Developed AI functionality for analytical dashboards monitoring high-value interests
- Analyzed and managed large datasets to ensure data integrity and identify large-scale trends to inform decision-making

UT Austin Facilities Services, Operations, Maintenance

Engineering Technician

Austin, TX

Aug 2022 – Dec 2023

- Led team of technicians, acting as main liaison between fellow technicians and superior engineering staff in order to best foster teamwork and efficiency
- Developed and maintained building automation software that monitored and controlled critical campus systems

UNIVERSITY EXPERIENCE

UT Austin Mobile and Pervasive Computing Group

Undergraduate Researcher

Austin, TX

Jan 2024 - May 2024

- Engaged in research and development of on-device AI LLM capabilities for smart home devices
- Research paper to be published in PerCom 2025 scientific journal

EBike Drive Analyzer for Texas Instruments

Project Lead

Aug 2023 - May 2024

- Acted as head in implementation of field-oriented control technology into the motor system of an ebike
- Engaged in creation of a software library for future use by TI

ADDITIONAL

Technical Skills: Javascript, Python, C++; Microsoft Excel, HTML, Git

Languages: Fluent in Marathi, English

Certifications: Microsoft Azure Fundamentals, IBM Full-Stack Developer Professional Certificate