Dawit Solomon Admassie

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Bangalore, IN

OBJECTIVE

I am a self-motivated and responsible Aeronautical Engineering graduate with a robust background in Software Engineering, backed by two years of hands-on experience. I excel in maintaining high levels of attentiveness during practical tasks, consistently displaying meticulous attention to even the smallest details. Complementing these traits is a keen aptitude for critical thinking, enabling me to approach challenges with a methodical and analytical mindset. This unique combination of skills positions me to contribute thoughtfully and effectively in various scenarios, leveraging my multidisciplinary expertise to drive innovative solutions.

EDUCATION

Jain(Deemed-to-be University), Faculty of Engineering and Technology(JU-FET) | B.Tech, Banglore, India *August 2019 - July 2023*
Relevant Coursework: Flight Mechanics, Aerodynamics, Mathematics, Entrepreneurship, Machine Learning, Kinematics & Dynamics of Aircrafts, Fracture Mechanics, Automatic Process Control, Big Data Analytics

- CGPA 8.186/10
- Graduation Date| 07/07/2023

TECHNICAL SKILLS

Interested Areas	Design and Manufacturing, Research, Control Sytems,
Programming Languages:	Python, C++, MATLAB, Arduino Programming, Java
Softwares/Tools:	CATIA, SolidWorks, ANSYS, Abaqus, Tableau, LabVIEW, AutoCAD, Fusion 360, Blender Unity 3D, UE, Computer Vision, , 3D modeling, 3D printing, Numpy, Scipy, Machine learning, Control Theory

ACADEMIC PROJECTS

Traction Performance Estimation of a Lunar/Planetary Rover Wheel using Finite Element Modeling (FET)   *Jan 2022 – April 2022*

- Terrain Analysis and Mission Planning
- Wheel Design and Optimization
- Risk Mitigation

Design of high-performance sailplane   *Aug 2021 – Sep 2021*

- Aircraft Performance Enhancement
- Structural Engineering
- Aerodynamic Research

Study on Performance of Tapered wing using CFD.   *Sep 2022 – Present*

- Aerodynamic Analysis and Optimization
- Flight Performance Prediction
- Wing Shape Sensitivity Analysis
- Aircraft Stability and Control

PROFESSIONAL EXPERIENCE

SEMNET, Security Solution Company (As an intern of Software Engineer)   *Virtual|Jan 2021 – Jan 2023*

- Software Development for Security Solutions
- Cyber security Tools and Software
- Security Awareness and Training Software
- Vulnerability Assessment Tools

MyCaptain Marketing Volunteer Internship   *Virtual|Feb 2022 – Feb 2022*

- Content Creation and Promotion
- Digital Marketing Campaigns

Publications

- Traction Performance Estimation of a Lunar/Planetary Rover wheel using Finite Element Modeling(FET)   *APR 2022*

    Published on ResearchGate, Link

EXTRACURRICULAR ACTIVITIES AND ACHIEVEMENTS

- Part-time freelance work in 3D character design and game environment design.   *2020 - present*
- Design and Develop different Aircrafts   *May 2020 -present*

HOBBIES: Playing Soccer and Basketball, Listening to a Variety of Music, Financial Planning and investment, Creating Art, Skateboarding