Vivek T.

Portfolio: vivekthazhathattil.github.io/portfolio Github: github.com/VivekThazhathattil

Education

Degree/Certificate	Institute/Board	CGPA/%	Year
M.Tech Aerospace Engineering	Indian Institute of Science, Bangalore	8.0/10.0	2022 (expected)
B.Tech Aerospace Engineering	Indian Institute of Technology, Kanpur	6.9/10.0	2019
Intermediate (+2)	Vijayagiri Public School, Thrissur, Kerala (CBSE)	95.6%	2015
Matriculation	Silver Hills Public School, Kozhikode, Kerala (CBSE)	10.0/10.0	2013

Scholastic Achievements

- GATE-2019: Secured All India Rank 24 Graduate Aptitude Test in Engineering (GATE) in Aerospace Engineering in 2019.
- IIT-JEE Mains 2015: Achieved 99.4 percentile in IIT-JEE Mains 2015 to qualify for JEE-Advanced examination.
- **KEAM-2015**: Secured **50th Rank** in Kerala Engineering Architecture Medical Entrance Examination, 2015 out of more than **90,000 students**.

WORK EXPERIENCE

• Stockzo - Fintech star Web Developer (Intern)	Stockzo - Fintech startup Web Developer (Intern)		
• Web development: portfolio management	Development of responsive website and related APIs for Stockzo, a fin and discount broking.	tech startup focusing on	
• Firebase Database : order to database.	Used the Firebase Realtime Database and Firebase Cloud Functions a	as the backend to push the	
• Sanfoundry - Sanfound Research and Development	Remote May 2019 - Aug' 2019		
 Technical writing: 7 Supervision: Active Team work: Assist t 	Technical content accumulation related to the topic of rocket propulsio participation to monitor timeline of submission and review of the work he team in uploading the approved content for publishing.	n. s.	
Projects			
• Conceptual Design o Mentor: Prof. Ajoy	f a Twin-Boom Fixed-Wing VTOL UAV Kanti Ghosh, Department of Aerospace Engineering, IIT Kanpur.	May 2019 - July 2019	
Designed a VTOLperformed stability	UAV under challenging mission constraints. y and control analysis, along with a detailed study of flight envelope, v	vind and gust effects and spin	
 Explored the viable optimization of SA Deployment of a p effectiveness calculation 	ility of installation of a Satellite Communication On The Move (SOTMATCOM's wetted area. barachute recovery system studied, which included material selection, s lation.	I), with consideration of drag ize estimation and	
• OpenAI Taxi-V2 implementation in C++		April 2021 - May 2021	
 Implemented a Q- their destinations Visualized the mo- o added support for 	learning model from scratch to make an AI agent learn to pick up pass while minimizing the time cost. del using SFML library. reward table generation and save states.	sengers and drop them off at	
• Conceptual design of Mentor: Prof. Dr. P	f n+3 generation turbofan engine Pratikash Panda, Department of Aerospace Engineering, IISc Bangal	<i>Nov' 2019 - Dec' 2019</i> ore.	
 Calculation and ta Selection and evalues Off-design perform 	abulation of air properties, enthalpy, and entropy as a function of temp uation of performance of two different engines at SLTO. nance evaluation at cruise and idle-conditions.	berature (200K - 1000K).	
Skills Summary			
Languages Frameworks/Libraries	C/C++, Java, Python, JavaScript, SQL, Bash, JAVA, GDScript, H Scikit, NLTK, SpaCy, TensorFlow, Keras, Django, Flask, NodeJS, MERN, React, Redux	TML/CSS	
Tools	Docker, Git, PostgreSQL, MySQL, SQLite, IATEX, MATLAB,		

Platforms Octave, Android Studio, Godot Windows, Linux Debian/Arch,

orms Windows, Linux Debian/Arch, Mac, Arduino, Raspberry, AWS, GCP, IBM Cloud, GitHub/GitLab, Netlify, Heroku

VOLUNTEER EXPERIENCE

Bangalore, India Oct' 2019

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