APPILI VAMSI KRISHNA
Full Stack Developer | Deep Tech Product Developer

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EDUCATION

M.Tech Aerospace Engineering
Indian Institute of Technology Madras (IIT M)

📅 08/2020 - 06/2022   📍 Chennai, India

CGPA **9.47** / 10

- Development of a Vision Guided Aerially Launched Short Range Missile

B.E. Aeronautical Engineering
Madras Institute Of Technology

📅 08/2016 - 04/2020   📍 Chennai, India

GPA **8.15** / 10

- Structural Analysis of Agricultural UAV

Fashion Entrepreneurship
National Institute of Fashion Technology, Chennai (NIFT, Chennai)

📅 11/2023 - 10/2024   📍 Chennai, India

- This is an 1 year Executive MBA offered as part of incubation of **Crazy GreenLife LLP** formally given as PG Diploma degree.

EMPLOYEE EXPERIENCE

Senior Software Engineer
Dexian

📅 01/2023 - 11/2023   📍 Chennai, India

🔗 https://dexian.com/

Highlights: Architected and led full-stack and LCNC projects, delivering tailored web and mobile solutions for diverse clients.

Tech Stack/Tools: React, Node.js, JavaScript, Next.js, Express.js, Angular, TypeScript, Microservices, RPA, IDP, MongoDB, AWS, GCP, Appian, Mendix, PowerApps, OutSystems.

- Project - *Bihar Government DFS* : Developed a **React-based frontend** with interactive heat maps and charts for digital farmer services.
- Project - *Opportunity Management Portal* : Led and developed both **frontend (Angular) and backend (Express)** for an internal portal helping senior employees organize and track project opportunities.
- Project - *Catalyst*: Built a **Next.js (React), TypeScript** web app for screen recording, screenshot editing, and exporting to presentations or PDFs.
- Project - *Document Merger* : Developed the frontend in **Next.js (React), TypeScript** to merge PDFs, images, and Excel files into a single PDF document.
- Project - *Appian RPA & IDP* : Created Proof of Concepts involving **Appian RPA and IDP** for clients, handling PDF processing and data extraction.
- Project - *Site Inspection Mobile App* : Developed a mobile app for site inspections using **PowerApps**.

SUMMARY

Passionate Web Developer with a flair for creating dynamic online experiences that blend intuitive design with flawless functionality. Known for delivering **user-centric solutions.**

PASSIONS

Continuous Learning
Dedicated to lifelong learning, constantly enhancing skills through certifications, courses, and hands-on experience in various fields.

Creative Problem Solving
Driven by the challenge of solving complex problems, especially when it involves blending design, functionality, and user experience.

STARTUP ENDEAVOURS

AstroData AI
📅 03/2024 - 10/2024

🔗 https://astrodata.dev/

A curious personal (hobby) research project.

- Created as a showcase of my skills and a platform for exploring cutting-edge-tech.
- Sole architect and developer, independently building the full stack—both front-end and back-end—deployed on AWS, DigitalOcean.
- Developing a new LLM that learns and validates predictive rules, calculating event probabilities through intensive data analysis powered by advanced neural networks.
- Released version 1.0 on October 21, 2024.

Crazy GreenLife LLP
📅 12/2023 - 10/2024   📍 Chennai, India

🔗 https://crazygreenlife.shop/

Crazy GreenLife LLP, co-founded by Appili Vamsi Krishna and Nimisha Sharma, was incorporated on April 8, 2024.

- Startup conceived at NIFT Chennai during incubation, receiving mentorship and strategic support through the Fashion Entrepreneurship course.

📅 06/2024 - 10/2024

Full Stack Development [Freelance]

- End-to-end development of **ephemeris-website** for RVA, both backend & frontend.
- Upgraded & Fixed issues across RVA sites.

EMPLOYEE EXPERIENCE

Software Development Engineer - I
Safe Security
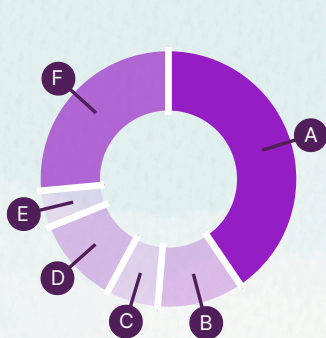
📅 04/2022 - 12/2022   📍 Remote
🔗 https://safe.security/

Highlights: Full-stack developer skilled in AWS Cloud services, DevOps, and React-based development in Agile environments.

Tech Stack/Tools: React, Node.js, TypeScript, AWS (Lambda, DynamoDB, Cognito, EC2, API Gateway, Amplify, Route 53, IAM, RDS, CloudWatch, CloudFormation), Docker, Jenkins, Redux, Jest, TestCafé, SQL, MongoDB.

- Developed and maintained **RESTful APIs** with **Node.js** and **TypeScript**, implementing unit and integration tests using **Jest** to ensure high-quality code.
- Designed functional pages with **React.js**, managed state with Redux and React Hooks, and ensured seamless page navigation with React-Router.
- Worked with **AWS** services (IAM, EC2, RDS, CloudWatch) and utilized CloudFormation for infrastructure templates.
- Leveraged **Docker** and **Jenkins** for CI/CD pipelines, ensuring efficient deployment and automation in **Agile** environments.

MY TIME

- **A** Office Work
- **B** Personal Creative Projects
- **C** Study/Professional Development
- **D** Workout (Gym, Dance, Swimming)
- **E** Relaxation/Leisure (New Hobby Exploration)
- **F** Sleep

SKILLS

Node.js	**Express.js**	**Jest**	**JavaScript**	**TypeScript**
HTML	**CSS**	**React**	**Angular**	**AWS Cloud**
Docker	**Cloudflare**	**DigitalOcean**	**Jenkins**	
MongoDB	**Sequelize**	**TestCafé**	**Figma**	**Canva**
Appian	**Mendix**	**OutSystems**	**PowerApps**	

CERTIFICATION

Machine Learning
Stanford University - *Coursera - 2021* - **Certificate.** Gained expertise in machine learning algorithms and principles, enhancing skills in data-driven decision-making and predictive analytics.

Creative Problem Solving
University of Minnesota - *Coursera - 2020* - **Certificate.** Learned techniques and strategies for innovative problem-solving, enhancing creativity and effective decision-making.

PERSONAL PROJECTS

Appili Dev CDN
🔗 https://cdn.appili.dev/
A user-friendly content delivery network for secure file upload and management, built using **Firebase** and **MongoDB. [Angular, Express]**

AstroData AI
🔗 https://astrodata.cloud/
A robust AI-powered platform for data-driven astrological predictions, combining data science with a sophisticated rule-based system.
[React, Express]

Planetary Ephemeris
🔗 https://planetary-ephemeris.appili.dev/
A dynamic tool for calculating and visualizing planetary positions, delivering accurate celestial insights. **[Next.js, Express]**

npm i astrodata
🔗 https://www.npmjs.com/package/astrodata
A custom NPM package offering advanced astrology calculations with an easy integration into modern software. **[Javascript, Python]**

MTech Project
🔗 https://mtech.appili.dev/
Created an advanced vision-guided missile system that uses deep learning for precise trajectory prediction in defence applications.
Python, FPGA, Machine Learning, TensorFlow

api.astrodata.network
🔗 https://api.astrodata.network/docs/
Offers secure, authenticated routes and open endpoints for detailed astrological data on astrodata.cloud and beyond. **[Express]**

ai.astrodata.network
🔗 https://ai.astrodata.network/docs/
Delivers AI-driven astrological predictions, planetary analysis, and mood predictions powered by machine learning. **[Express]**

astrodata.appili.workers.dev
🔗 https://astrodata.appili.workers.dev/docs
A Cloudflare Workers integration for efficient planetary data processing using Prokerala's API.
[Javascript]

AVATAR

Gravatar (Globally Recognized Avatar)
https://aeroastroboy.link

MY LIFE PHILOSOPHY

There's power in your purpose !