VENKATESH PATNAIKUNI

- **venkatesh.21bce7525@vitapstudent.ac.in • +91-9121533589 • Visakhapatnam, Andhra Pradesh, 530027**
- **LinkedIn • GitHub • Website**

A self-motivated and enthusiastic learner, currently navigating the field of modern engineering with steady growth.

Presently, CSE student at VIT, AP, proficient in Python, Java, Web Development, and microcontroller programming. Demonstrated project development expertise with creations that include AeroGuard, PATS, Flight Ticket Price Predictor, Web-based portfolio and extension, and a Railway Management System.

Beyond academia, Excellencies in sports, e-sports, and Model United Nations.. Brings a unique sense of humor and creativity, fostering a well-rounded perspective. Eager to leverage his tech skills and innovative thinking for future challenges in the field.

Fervent about astrophysics and equipped with a long-term vision of integrating technical expertise into innovative projects, envisions a future career in the field of astrophysics.

EDUCATION

- **Senior Secondary(CBSE) : Army Public School, Bolarum (2020-2021), 95.2%**
- **Bachelor of Technology, Computer Science : Vellore Institute of Technology - Amaravati(Ongoing, Year of Passing Out - 2025), Current CGPA - 8.96.**
- **Matriculation(CBSE) : Nosegay Public School, Ganganagar (2018 – 2019), 95.2%**

ACHIEVEMENTS

- Top 10 recognition at Engineering Clinics Expo out of 600 entries, Led Team AeroGuard : Winter 2023
- IMUN Best Delegate : IMUN Online conference 7.0
- Working as co-lead, creative dept. at English Literary Association VIT-AP.
- Elected as the School Discipline Captain, academic year 2020-2021
- Indian LAN Gaming Season 4 Winning team captain

CERTIFICATIONS

RS & GIS Applications in Natural Resource Management, Indian Institute of Remote Sensing, 2023
MATLAB Onramp, MatWorks, 2021
GittyUp, OSC VIT-AP, 2022
Fortis Psych-ED, Fortis Healthcare, 2019

SKILLS

Hard Skills: Python, Java, SQL, R, Microcontrollers, Web Development, Data Science, Machine Learning, Git
Languages: English (Proficient), Hindi (Proficient), German (Novice), Telugu (Novice)

Internship

Yet to begin as a Remote Data Science and Analysis Intern, Corizo, Noida, Uttar Pradesh, India, Dec 2023 - Jan 2024

- Role : Data Cleaning, Data Understanding, ML Model Building

PROJECTS

AeroGuard - multipurpose drone-based system, January 2023 - May 2023

- Skills utilized : ESP-32, Flight controller board, arduino IDE, mechanical implementation, critical Thinking and leadership.
- Functioning : Majorly, a vehicle tracking system using an electromagnetic projectile with facial recognition.
- Potential : Forest-fire detection and prevention, Real-time surveillance, Supply drop (Medications, food), Search and rescue, Military use, Mob control.
- Mentor : Dr Ajay Kumar Mullick, VIT-AP

PATS - Package Anti-Theft System, June 2023 - August 2023

- Skills utilized : Raspberry Pi, DBMS, Web Development for UI/UX,mechanical implementation, critical Thinking and leadership.
- Functioning : Delivery package organization within college campus. Authentication using facial recognition and database.
- Potential : Package management within societies or offices.
- Mentor : Dr Manisha Maity, VIT-AP

Online Portfolio, November 2023 - Present

- Skills utilized : Web Development, Creativity using UI/UX.
- Functioning : Online virtual profile for descriptive information regarding oneself, occasional blog entries.

Flight Ticket Price Predictor, November 2023 - December 2023

- Skills utilized : Data Cleansing, Exploratory Data Analysis (EDA), Feature Engineering, Building the Machine Learning Models & Evaluating Them, working with Google Colab.
- Functioning : machine learning model to predict the flight ticket price based on various features such as source, destination, number of stops, departure time, arrival time, etc.

Railway Management System, May 2023 - August2023

- Skills utilized : Data Cleansing, Exploratory Data Analysis (EDA), Feature Engineering, Building the Machine Learning Models & Evaluating Them, working with Google Colab.
- Functioning : machine learning model to predict the flight ticket price based on various features such as source, destination, number of stops, departure time, arrival time, etc.

Elucidation of projects on GitHub linked above.