VENKATESH PATNAIKUNI

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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 personal and team projects. Beyond academia, Excellencies in sports, e-sports, and Model United Nations. Brings a unique sense of humour and creativity, fostering a well-rounded perspective. Eager to leverage his tech skills and innovative thinking for future challenges in the field. Experienced in impactful presentations, including sales pitches for "Vitality Park" and "Spell-Well Pen" along with active participation in academic seminars.

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 - 8.9

- 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
- Designed brochure for VLAUNCH: VIT-AP annual business competition.
- 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 (Valorant)

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, Microsoft Office suite, Microcontrollers, Web Development, Data Science, Machine Learning, Git, R

- **Languages:** English (Proficient), Hindi (Proficient), German (Novice), Telugu (Novice)

Internship

- Data Science and Analysis Intern, Corizo, India, Dec 2023 - Jan 2024
  - Role : Data Cleaning, Data Analysis, 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.

→ [Wine Quality Analysis](#) | January 2024

- 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 quality of a wine on the scale of 1-10 based on various chemical properties of the wine.

→ [Railway Management System](#) | May 2023 - August 2023

- Skills utilized : JavaScript, DBMS, Software Planning/Deployment incl. Documentation.
- Functioning : A basic Railway Management website with authentication and role-based access. Admins have tailored access to data, ensuring efficient and user-specific functionalities.