Shri Krishna Pandey

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Profile

Experienced Course Instructor, Teaching Assistant and mentor skilled in web application development, with expertise in Vue.js of 2+ years. Dedicated learner in programming and data science, aiming to apply acquired skills to solve real-world challenges and contribute positively to society.

Skills

Programming Language
Python, C, Java, JavaScript, R, SQL, Awk, Sed

Data Science Techniques
Machine Learning, Deep Learning, Reinforcement Learning, Al, NLP, LLM

Web Dev Framework and Library and DB
Html5, CSS, Bootstrap, Flask, Vue.js, React.js, Celery, Redis, Node, SQLite, Postgres, Restful API

Data Science Library
Scikit-learn, Numpy, Pandas, NLTK, Pytorch

Linux
Command-line Scripting, Shell Scripting, awk, sed, grep

Data Visualization Library and Tools
Matplotlib, Seaborn, Pandas, Flourish, Tableau, Power BI, Data Wrapper, Ploty

Professional Experience

Course Instructor, IIT Madras — Sep 2024 – present — Chennai, India
- Taking live session
- Conducting online/offline bootcamp
- Proctoring exams

Web Developer and Teaching Assistant, IIT Madras — Dec 2022 – Sep 2024 — Chennai, India
- Engaged in both front-end and back-end development while delivering instructional sessions to students at IIT Madras from past 5 terms.
- Conducted comprehensive classes covering HTML, CSS, Vue.js, JavaScript, Celery, and other pertinent technologies to 100s of industry professionals and fellow students.
- Administered exams and conducted viva voce examinations for student evaluation, totaling over 250 viva sessions.

Education Mentor, IIT Madras — Sep 2022 – Dec 2022 — India
- Instructed over 300 students in system commands encompassing command line scripting, shell scripting, AWK, Sed and related technologies at IIT Madras BS degree.

Education

B.S. in Data Science and Application, Indian Institute of technology Madras — Jan 2021 – present — Chennai, India
Completed - Foundational level with **8.1**, Diploma in Programming with **9**, Diploma in Data Science with **8.9**, BSc with **8.9** CGPA. BS in Data Science and Application with an **8.79** CGPA.

B.Sc. Mathematics (Honors'), Govt. T.R.S. College, Rewa — Jul 2015 – May 2018 — Rewa, India
Passed with First division.

Projects

React-Todo-App, Utilized React hooks for state management and component lifecycle management. — May 2024
Implemented features allowing users to add tasks and mark them as completed or remove them.

Data Visualization Project - E-commerce Website Analysis, — Jan 2024 – Apr 2024
Analyzed an E-commerce website dataset consisting of 27,000 rows and 17 columns.
- Led a team of 4 and leveraged Excel, Python Colab, Pandas, Plotly, Matplotlib, NLTK, TD-IDF, and Canva for data preprocessing, analysis, and visualization.

Recommendation System App, — Sep 2023 – Dec 2024
Created an app using Agile framework, JIRA, Fast-Api, React (Group Project)

Machine Learning Project, Built an E-commerce Shopper's Behaviour Understanding using ML, Scikit-learn, Pandas, Numpy and Matplotlib — Jan 2023 – Apr 2023
- Built a classification model using historical sales data to predict future sales with 65% accuracy.
- Ranked 42nd among 760+ participants.

Streamlit App, Odd-even app deployed on heroku and 4 more app using streamlit — Nov 2022

Capstone Project, Business Data Management, — Sep 2022 – Dec 2022
Skills used - Data Cleaning, preprocessing & Visualization. Analyzing trends and patterns.
Analyzed the collected primary data from a Kirana shop, and suggested ways to improve their business. Conducted survey around the shop also created a website for logging daily sale details saving 1 hours daily time.

Tracker web app, Build a Full Stack app from scratch. For frontend used Vuejs, Bootstrap, npm and backend using Flask, SQLite, Redis, Celery, Matplotlib, and Restful-API. — May 2022 – Aug 2022
App has more than 3 type of tracking options.

Quantified Self App, A Static Self Tracking App for various purposes and Improving Lifestyle. using HTML5, CSS, Flask, SQLite, Bootstrap4, and Matplotlib. — Jan 2022 – Apr 2022

more projects

Certificates

Microsoft AI Skill Challenge ⧉ | Introduction To Linux ⧉ | Tableau ⧉ | Java Introduction ⧉ | Beat-Aptitude Test ⧉ |
Hack-O-Pitch IITM PARADOX'22 ⧉ | Fundamentals of language science ⧉ |
Foundational Course in Programming and Data Science ⧉ | more on website ⧉ | Aws Academy Intro to Cloud ⧉

Courses

Data Mining, IIT Kharagpur, Ranked in the top 5% and received a silver badge ⧉ 　　　　Jan 2023 – Mar 2023
Gained skills in sequence mining, complex data mining, and web mining for bioinformatics applications,
contributing to advancements in genomics, proteomics, and drug discovery.

more about courses ⧉

Languages

English 　　　　　　　　　　　●　●　●　●　○　　Hindi 　　　　　　　　　　　　●　●　●　●　●