

BHAVVYA JAIN

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PROFILE

An enthusiastic B.Tech Student specializing in Artificial Intelligence and Data Science, with hands-on experience in cloud computing and a passion for developing AI-driven solutions. Proficient in multiple programming languages and frameworks, with a strong foundation in machine learning and data analysis. Committed to leveraging technology to create impacting solutions while continuously learning and adapting to industry trends.

EXPERIENCE

- WEBXELA**  June 2024 - September 2024
Cloud Computing Intern Mumbai, Remote
 - Gained hands-on experience with major cloud platforms including GCP, AWS, and Microsoft Azure.
 - Implemented Azure Web Apps and deployed an HR Management System which improved the efficiency of the HR department by **50%** overall.
 - Analyzed different Azure services and identified key services and their specific use cases.

EDUCATION

- Dwarkadas J Sanghvi College of Engineering** 2022 - 2026
B.Tech in Artificial Intelligence and Data Science with Honours in Computational Biology Mumbai, India
 - GPA: 8.4/10.00
- Thakur Vidya Mandir Junior College** 2022
Pre-University Education Mumbai, India
 - Grade: 81.3%
- Lokhandwala Foundation School** 2020
Secondary Education Mumbai, India
 - Grade: 96.83%

PROJECTS

- Fin-AI-lytics: [AI Financial Advisor: Stocks, Portfolio Management with Risk Analysis]** September 2024
Tools: [Python (Pandas, Plotly, Altair, Streamlit), Database (Firestore), ML models, YFinance API, Alphavantage API]
 - Designed a user-friendly walkthrough system to explain financial concepts, increasing accessibility for beginners while providing advanced insights for an experienced investor.
 - Developed a comprehensive financial advisory system using Python, integrating real-time stock data via Yahoo Finance API and LSTM model for market trend analysis and prediction giving close to **90%** accuracy.
 - Implemented portfolio optimization algorithms utilizing statistical parameters, enabling risk-adjusted strategy recommendations based on user risk tolerance.
 - Created an interactive dashboard with Streamlit featuring personal finance tools, automated budget tracking, and debt management calculators with data visualizations.
- HR Management System: [Cloud Computing Internship Project]** August 2024 - September 2024
Tools: [Python (Numpy, Streamlit, Plotly, Altair, PyPDF2), Database (SQLite3), Azure Cloud, PowerBi]
 - Developed and implemented a comprehensive HR automation platform featuring- an AI-powered chatbot, Resume screener, Interview scheduler, Analytic Dashboard, and Leave management system.
 - AI-powered chatbot automated **80%** of routine HR queries, providing real-time resolution.
 - ML and Azure Document Intelligence-based resume screening and analysis tool that reduced candidate evaluation time by **60%**.
 - Automated interview scheduling system with calendar integration, improving scheduling efficiency by **40%**.
 - Digital leave management system for streamlined request processing and tracking.
- TTS Generation: [Text-to-Speech Model with Accent and Emotion]** January 2024-Present
Tools: [Python (Transformers, ParlerTTS, Pytorch, Pyaudio, Streamlit)]
 - Utilized transformers to fine-tune a pre-trained TTS model to add audio cues to the Speech generated.
 - Added multiple speakers trained on a large mono audio dataset.
 - Reduced the latency of audio generation by **40%** by performing batch processing.
 - Currently working on enhancing and adding multiple languages while enhancing the grasp of emotions and accents of the tts model.

- **MedPlex: [HealthCare based Recommendation System]**

October 2024 - Present

Tools: [Python (Pandas, NumPy, Pandas, Sklearn, Streamlit)]

- Combined multiple extracted datasets with approx 5000 records for disease detection from symptoms.
- Recommended crucial Medication required to overcome the disease as identified from symptoms.
- Suggested various exercise and dietary changes needed to be adopted for better lifestyle and well-being.

- **Transport Data Science Project: [Data Science and Research based project for enhancing road safety]**

April 2024

Tools: [Python (Pandas, NumPy, Matplotlib, Folium), Visual Boards, Geospatial Visualization tools]

- Conducted thorough Exploratory Data Analysis (EDA) on accident data, identifying risk factors.
- Mapped accident locations using Geo-Spatial Analysis, pinpointing high-risk zones.
- Developed an impactful heatmap with the Folium library to visualize frequent accident hotspots.

SKILLS

- **Programming Languages:** C, C++, Java
- **Web Technologies:** HTML, CSS, JavaScript, Bootstrap, Typescript, Angular.js, Flask, Streamlit, Django
- **Database Systems:** MySQL, SQLite3
- **Data Science & Machine Learning:** Pandas, Numpy, Matplotlib, Seaborn, ScikitLearn, TensorFlow, PyTorch
- **Cloud Technologies:** Google Cloud Platform, Azure
- **Business Intelligence Tools:** Excel, Tableau, PowerBi
- **Artificial Intelligence:** LLMs, Prompt Engineering, GenAI, Google Vertex Studio
- **Additional Skills:** Statistical Modelling, Data Analytics, Big Data Hadoop, Computational Finance, Github
- **Relevant Coursework:** OS, DBMS, Data Structures & Algorithms, Data Mining & Analytics, ML, NLP, Devops
- **Soft Skills:** Effective Communication, Eagerness to Learn, Teamwork & Cooperation

LEADERSHIP EXPERIENCE

- **AI Mentor**

March 2024 - Present

DJS Infomatrix (DJSCE)



- Led a Python and Machine Learning Bootcamp for aspiring Artificial Intelligence and Data Science juniors, guiding them toward proficiency through curated projects and hands-on workshops.
- Crafted coursework for comprehensive skill enhancement in the AI domain as well as collaboratively in ML, DS, Computational Finance & WebDev.
- Coordinated mentees' development journey, fostering excellence with tailored guidance and current AI trend workshops.

CERTIFICATIONS AND HONOURS

- **Google Cloud Computing Fundamentals Certification & Badges**

October 2023

Google Cloud Skill Boost



- Completed at 6th position in the Google Cloud Skill Boost Study Jam.
- Developed in-depth knowledge of Cloud Computing Fundamentals and various Services, Functions, and Engines provided by Google Cloud.

- **Foundations of Cybersecurity**

August 2024

Google



- Completed a Google-recognized Coursera Cybersecurity course.
- Gained key insights about Security as a Service in enterprises, Cyber attacks in the past, various cybersecurity-based roles, and hands-on experience related to it.

- **Introduction to Portfolio Risk Management in Python**

August 2024

DataCamp



- Completed a Computational Finance -based Portfolio Risk Management in Python course.
- Key takeaways from the course were understanding various financial terms, statistics in finance, and portfolio risk optimization and management methods and their implementation in Python.

- **TechBlitz Data Science Analysis using AI Competition**

April 2024

VCET NSDC

- 2nd runner-up in Data Science domain.
- Gained experience in quickly analyzing and visualizing large complex datasets to find patterns and predict the target variable using ML/DL models under time constraints.