



## MANIK PANDITA

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CSE Undergrad | AI-ML Infrastructure | Software Developer | Mobile Application Developer

### EDUCATION

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<b>RV Institute of Technology and Management, Bengaluru</b> Bachelor of Engineering, Computer Science Engineering,	2021- Present
<b>Government Mixed High Secondary School, Jammu, Jammu and Kashmir</b> Grade XII	2020-2021
<b>KC International School, Jammu, Jammu and Kashmir</b> Grade X	2018-2019

### EXPERIENCE

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<b>Niyuk Services</b> , Microservices Developer Intern   Hybrid (Bengaluru, Karnataka)	February 2024 - May 2024
<ul style="list-style-type: none"><li>Developed an application integrating APIs from multiple brokers (e.g; Zerodha, Dhan, Paytm Money) to facilitate seamless stock market trading.</li><li>Enabled automated order placement using trained indicators and predefined thresholds.</li><li>Utilized Python for development, ensuring efficient and scalable development.</li><li>Deployed using Docker for robust containerization.</li></ul>	
<b>Yhills</b> , Digital Marketing Intern   Hybrid (Noida, Uttar Pradesh)	November 2023 – January 2024
<ul style="list-style-type: none"><li>Develop a business strategy to streamline course sales by leveraging insights from historical trend analysis.</li></ul>	
<b>Learning Buds</b> , Machine Learning Intern   Hybrid (Bengaluru, Karnataka)	November 2023 – December 2023
<ul style="list-style-type: none"><li>Resolved issues within the current HR Analysis project, Diabetes Analysis, and various other Machine Learning projects.</li><li>Employed multiple Machine Learning models for training and testing the given datasets, achieving improved accuracy and performance.</li></ul>	
<b>Sonata Software</b> , Software Developer Intern   Hybrid (Bengaluru, Karnataka)	October 2022 - November 2022
<ul style="list-style-type: none"><li>Analyzed requirements, converted to user stories, designed UI/UX for a secure BFSI Financial Application.</li><li>Used .NET MVC 5, Entity Framework, Web API, SQL Server.</li><li>Results: Robust data webpage.</li></ul>	
<b>Yhills</b> , Cyber Security Intern   Hybrid (Noida, Uttar Pradesh)	November 2022 – January 2023
<ul style="list-style-type: none"><li>Analyzed passwords via penetration testing (brute- force, dictionary, rainbow tables) using Kali Linux.</li><li>Extracted passwords, executed cracking, and presented findings and enhanced Cyber Security skills with Kali Linux expertise.</li></ul>	

### SKILLS

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Programming Languages	Python, C, C#, Java, Git, Dart, JavaScript, HTML, CSS
Frameworks and Libraries	Git, Docker, Visual Studio Code, IntelliJ IDEA, PyCharm, Android Studio, Apache Maven, Postman API, ReactJS, Tailwind CSS
Databases	MySQL, PostgreSQL, MongoDB, Firebase
Architectural Patterns	Microservices Architecture, Client-Server Architecture
Soft Skills	Event Management, Public Speaking, Leadership

## PROJECTS

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### Placement Management System - [Personal Project](#)

- Developed a "Placement Management System" using PHP.
- Implemented features including user registration, company/job management, GPA tracking, and data export functionality, enhancing efficiency in student placement processes.

### Real Time Market Data Tracker - [Personal Project](#)

- Developed a Python script using Trading View APIs for real-time market data of specified trading pairs.
- Integrated symbol search functionality for trading pairs and stored real-time data in a CSV file for analysis.
- Designed an interactive command-line interface, allowing users to easily input preferences and retrieve data.

### Cine Connect API: Dynamic Movie and Venue Information Retrieval – [Personal Project](#)

- Developed a RESTful API using Flask to interact with the BookMyShow website, providing endpoints for retrieving information about now-showing movies and venues in a specified city.
- Integrated web scraping techniques with BeautifulSoup to extract key details, including movie names, URLs, images, languages, and dimensions, from the BookMyShow website dynamically.
- Implemented user-friendly input handling for the API, allowing users to query information based on movie names, cities, languages, dimensions, and other parameters through both GET and POST requests.

### Text Emotion Classifier: A Machine Learning Approach – [Personal Project](#)

- Developed a robust machine learning model utilizing SVM and Random Forest for accurate emotion classification in textual data.
- Implemented comprehensive data preprocessing techniques, including removal of stopwords, URLs, and punctuations, enhancing the quality of the training data.
- Achieved a commendable accuracy of approximately 92% through TF-IDF feature engineering and model evaluation, showcasing the effectiveness of the developed emotion classification system.

### Multi Physics Simulation Engine – [Collaboration Project](#)

- Physics Simulation Engine: Developed a sophisticated engine using Python for kinematics, atomics, fluids, gravitational forces, and material properties.
- Dynamic Module Loading: Implemented dynamic module loading and execution in Python, showcasing advanced programming techniques.
- PyQt5 GUI Application: Created a PyQt5-based GUI for simulating various physics phenomena, demonstrating expertise in Python and GUI development.

### PhonePe Payment Gateway Integration – [Personal Project](#)

- Payment Gateway Integration: Developed a seamless integration with the PhonePe payment gateway using Express.js and Axios, facilitating secure and reliable transaction processing for users.
- Robust Error Handling and Retry Mechanism: Implemented robust error handling and a retry mechanism for failed requests using Axios interceptors, ensuring high reliability and improved user experience.
- Secure Transaction Management: Ensured secure transaction management by utilizing SHA-256 hashing for creating verification headers and securely encoding payload data to comply with PhonePe's security standards.

### Flutter To-Do Application – [Personal Project](#)

- Database Driven To-Do Management: Developed a Flutter-based to-do application with local SQLite database integration, enabling persistent storage and management of tasks.
- Dynamic State Mechanism: Implemented dynamic state management for real-time updates and seamless user interactions, ensuring tasks are added, updated, and deleted efficiently.
- User-Friendly Interface: Designed an intuitive and user-friendly interface featuring task addition, completion toggling, and bulk clearing of completed tasks, enhancing overall user experience.

## ACHIEVEMENTS

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### Head of External Public Relations – Sambhram 2024 (Annual Inter Collage Cultural Festival)

- Secured potential sponsorships and increased participation for multiple events at the college festival. Led the team with efficiency and provided clear guidance, ensuring strong relationships with the public.