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D Y PATIL
DEEMED TO BE
UNIVERSITY
— RAMRAO ADIK —
INSTITUTE OF TECHNOLOGY
NAVI MUMBAI

Career Objective: I aspire to work in a progressive environment where I will have the opportunity to participate in the planning, development, and innovation activities that contribute to the organization's growth.

ACADEMIC BACKGROUND

Ramrao Adik Institute of Technology, D. Y. Patil Deemed to be University	**Sep 2022 – Present**
B. Tech in Computer Engineering (Major: Data Science), CGPA: 9.40/10	Navi Mumbai, India
Taywade College May 2020 – July 2022	**May 2020 – July 2022**
12th Grade, Percentage: 77.5%	Nagpur, India
Narayana Vidyalayam School April 2020	**April 2020**
10th Grade, Percentage: 78%	Nagpur, India

ACADEMIC ACHIEVEMENTS

- Secured "**Outstanding (10/10)**" grade in C-Programming, Data Structures, Computer Networks, Design and Analysis of Algorithm, Foundation of Data Science and Advanced Databases**.**
- Participated in Hacktoberfest, a 6-hour **Hackathon** by Google Developer Student Club RAIT on October 15, 2022.

CERTIFICATIONS

- Intel Unnati Training on AI
- Oracle Cloud Infrastructure 2024 Generative AI Certified Professional
- Data Science for Engineers (NPTEL) and Programming in Python (NPTEL)
- Alteryx machine learning fundamentals
- Data Structure and Algorithms – Internshala Trainings
- PowerBI for Beginners - Simplilearn

PROJECTS AND INTERNSHIPS

PROJECTS:
AgrowAssist- Smart Agricultural Assistance System [**demo**] [**github**]
- Developed a Machine learning-powered Crop Recommendation System using **Python-Flask**, with a web frontend (**HTML**, **CSS**, **JavaScript**) and **Power BI** visualizations, achieved 35% higher prediction accuracy.
- Extended the solution into a **Flutter** mobile app using **Dart**, featuring Real-time Crop and Disease prediction, Fruit classification, Fruit health classification (**TensorFlow Lite**), and an intuitive UI for camera/gallery input.

AskDB - A Smart Text-to-SQL System [**github**]
- Designed a Python-Flask application using Gemini LLM to translate natural language into **SQL** queries for non-technical users**.**
- Built a responsive web interface (HTML5, CSS3, JS, Bootstrap) with real-time query suggestions and integrated pandas/pandasql for efficient in-memory data processing with seamless Flask-CORS API communication.

SenseResolver - Modern WSD with BERT & Lesk [**demo**] [**github**]
- Built an advanced WSD system combining **Lesk** algorithm with **BERT** embeddings, deployed with **Flask** and **Docker**.
- Created real-time feedback system that captures user corrections and automatically adjusts word sense scores.

INTERNSHIPS:
Python Data Analyst Intern **[SPRINGBOARD, Nagpur – 3 months]**
- Built data-driven applications using **Python**, **SQL**, and **Power BI**, achieving a 25% improvement in prediction accuracy by implementing machine learning algorithms for insights.
- Created interactive **Power BI** dashboards from cleaned data, boosting visualization efficiency by 30% and delivering insights.

Java Development Trainee **[IT-Networkz Infosystem Nagpur, June – July 2023]**
- Developed interactive, database-driven web applications using **Java**, Servlets, and **JSP**, leveraging the **MVC** architecture to improve code organization and efficiency by 40%.
- Integrated **MySQL** databases for efficient **CRUD** operations and optimized data retrieval with JDBC, boosting performance Speed by 30% and designed user-friendly interfaces for better user interaction.

POSITION OF RESPONSIBILITY

- **Head of Design** at **The Computer Society of India (CSI)**, RAIT - Led & Managed designing for 4+ major conclaves at D Y Patil RAIT,
- **Co-Head Design Officer** at **The Computer Society of India (CSI)**, RAIT - managed designing for Techfest in DY Patil Rait.
- **Co-Chief Design Officer** at **Social Wing**, RAIT Designed for **UDAAN** 2024 Navi Mumbai's **largest** fundraising marathon.
- **National Service Scheme (NSS)** Volunteer for the year 2023-2024.
- Managed Registration Desk, UDAAN 2024: Oversaw registration operations for Navi Mumbai's **largest** fundraising marathon.
- Volunteered in social initiatives, including tree plantation, clean-up, and food donation drives.

EXTRA CURRICULAR ACHIEVEMENTS

- Presented a paper titled "**Study on Youth Responsibility and Individual Professional Development**" at [VNIT Nagpur 20 Jan 24]
- Delivered a paper titled "**Role of AI for improving the Performance of Education System"** at [IRJCS 4 April '24]
- Technical Content Creation on YouTube Channel - "Code Spirit"
- Freelance Work for Creators in the field of Designing.
- Competed in Relay and Hurdle races at the Inter School DSO competition, [Narayana Vidyalayam Nagpur]

ADDITIONAL INFORMATION

- **Programming Language**: Java, C, Python, HTML, CSS, JavaScript, SQL, NoSQL
- **Frameworks and Databases**: Flask, MongoDB, MySQL, Flutter
- **Technical Skills and Tools**: API Development, Git, Power BI, VS Code, Jupyter, Latex, Microsoft Office Suite, Figma,
- **Soft Skills:** Teamwork, Communication and Problem-Solving
- **Hobbies**: Playing Football, Cricket, Athletics, help Needy People, Learn new things and Graphic Designing.