ROHIT JADHAV

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EDUCATION

2024-Present **FRIEDRICH ALEXANDER UNIVERSITY, ERLANGEN-NÜRNBERG**   Erlangen, Germany
Masters Of Science, Autonomy Technologies
Major in AI-ML & Robotics

2020-2023 **SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE** (GERMAN GRADE - 1.83)   Pune, India
Bachelors In Electronics and Telecommunication Engineering
Major in Electronics and Computer Science

EXPERIENCE

07/23-10/23 **VARAD PROPERTY SOLUTIONS PVT. LTD.**   Pune, India
Web Development Intern
- Engineered **5** webpages using **HTML** and **CSS**, enhancing front-end design and achieving a **30%** increase in user engagement and a **20%** decrease in bounce rates; optimized **UI** aesthetics using CANVA, driving a **20%** boost in user engagement.
- Mastered and implemented **Java** for backend development, accelerating development time by **10%** for backend functionalities.
- Analyzed web traffic patterns and user engagement metrics, leading to a **15%** increase in website traffic and a **20%** improvement in user retention rates.

01/22-02/22 **GB SOFTRONICS**   Nashik, India
Machine Learning Intern
- Utilized **Python** for scientific programming, achieving a **20%** increase in efficiency and accuracy in computation and data manipulation tasks, particularly with **NumPy**.
- Enhanced capabilities in **deep learning** and **computer vision** by expanding expertise in advanced libraries like **TensorFlow**, **PyTorch**, and **OpenCV**, resulting in a **30%** improvement.
- Designed and orchestrated a **GUI** for the final year project "Plant Leaf Disease Detection," increasing user satisfaction by **40%** and reducing user error rates by **15%**.

SKILLS

- Languages: English (C1), German (A2), Hindi (C1), Marathi (Native)
- Technical Skills: Python, MATLAB, Excel
- Certifications: Data Analytics and Visualization Job Simulation (Accenture), Python Programming Language
- Volunteering: Volunteered Tech-Fak Summerfest (27 June 2024)

PROJECTS

08/22-04/23 **Plant Leaf Disease Detection Using Machine Learning and Image Processing**   Pune, India
- Developed a detection system using **ML** and **Image Processing**, achieving **87%** accuracy; integrated in **Python** with **PyTorch** and **TensorFlow**, resulting in a **20%** accuracy boost.
- Managed a dataset of **3200** images using **SQLite**, reducing processing time by **90%**; designed a **GUI** with login and registration, increasing engagement by **30%**.
- Executed the project within the **Anaconda** environment, reducing coding time by **25%**; achieved accurate disease classification, reducing crop losses by **50%**.

11/21-03/22 **GPS Tracking System**   Nashik, India
- Constructed a real-time GPS tracking system with Arduino Uno, delivering precise location tracking within a **100-km** radius; configured Arduino for GPS module interfacing, optimised URL generation for Google Maps, and error handling, ensuring **99.9%** uptime.
- Streamlined development processes, cutting costs by **25%**.

RESEARCH PUBLICATION

08/22-04/23 **Plant Leaf Disease Detection Using Machine Learning and Image Processing**   Pune, India

Link for Research Paper