DHIRAJ PATIL

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MALE

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Portfolio

SCHOLASTIC RECORD

Year	Degree	Institute	CGPA/%
2019-23	BTech Electronics & Telecommunication Engg.)	MIT Academy of Engineering, Pune	7.86/10
2018-19	HSC	MGSM's ASC college, Chopda	78.00 %
2016-17	SSC	Pankaj Vidyalaya, Chopda	90.40 %

WORK EXPERIENCE

Cognizant Technology Solutions	Internship Programmer Analyst Trainee-GE	May 2023 – Aug 2023 Sep 2023 – Feb 2024
Project Details: Selenium Automation Engineer- Quality Engineering and Assurance		
Roles & Responsibilities	• Enhanced software quality for an American insurance company. • Created and executed test cases using Java and Selenium. • Utilized Maven for automation and dependency management. • Implemented testing frameworks: TestNG, JUnit, Cucumber. • Executed SQL queries for data validation. • Technologies Used: Java, Selenium, Maven, TestNG, JUnit, Cucumber, SQL	

PROJECTS

Final Year Project	Aug 2021 – Nov 2022
Project Details: Unmanned Aerial Vehicle (UAV) For Low Payload Delivery	

Project Details	• Engineered UAV with a total weight of 1553g and a payload capacity of 500g. • Optimized design for structural integrity and flight stability using CAD software and lightweight materials. • Integrated GPS navigation for precise delivery. • Technologies Used: Mission Planer, GPS • Enabled efficient transportation of critical supplies in emergencies.

Minor Project	Aug 2020 – Jun 2021
Project Details: Digital Infrared Thermometer with pulse Oximeter	

Project Details	• Designed and Implemented: Created the device in response to the increased demand during the Covid-19 • Health Monitoring Features: Engineered the device to measure body temperature and SpO_2 levels accurately. • Covid-19 Prediction: Developed an algorithm to predict the likelihood of Covid-19 • User-Friendly Indications: Integrated a simple Covid-19 check system where a Green light indicates safe status and a Red light signals potential danger, advising users to consult a doctor. • Project link: https://drive.google.com/drive/folders/1rWIRbxKwOfFaYdFn9k_CBL59QSDy6jHw

INTERNSHIP

VIEH GROUP	Jun 2022 – Aug 2022
Project Details: Data Science Intern	

Roles & Responsibilities	• Developed a model to predict campus recruit salaries using historical data. • Utilized Excel, Pandas, NumPy and scikit-learn for data processing and prediction. • Created visualizations using Seaborn and Matplotlib to present findings.

ASSESSMENTS/CERTIFICATIONS

Programming for Everybody (Python)	• Mastered Python fundamentals: variables, control structures (if-else, loops), functions, lambda functions, data structures, and basic algorithms. • Gained practical experience with data visualization using Seaborn and Matplotlib.
What is Data Science (IBM)	• Mastered key data science concepts and applications. • Developed skills in data collection, analysis, and business intelligence. • Learned to leverage data for improving business outcomes and efficiency.

SEMINARS/ TRAININGS / WORKSHOPS

Zensar Employability Skill Development Program-2022	• This skill development program includes training on SQL, Python, Java, Advanced Java, Professional skills.	**Aug 2021–Jun 2022**
FSM Summer Internship Program 2022 **IITD-AIA Foundation for Smart Manufacturing (FSM)**	• Completed training on smart manufacturing technologies. • Key Topics Covered: Industrial IoT, Robotics, Machine Learning, Augmented Reality, Industrial Automation, Smart Sensing, Smart Machines, Predictive Maintenance • Specialization tracks: Machine Learning, Robotics, Internet of Things	**Apr 2022 – Jun 2022**

INTERESTS

• Reading, Cricket, Travel, Sports, Instrumental Music