

DIKSHA

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SUMMARY

Technologist passionate about solving complex challenges using Python, Java, web development, and cybersecurity. Experienced in GUI development, real-time systems, and scalable web solutions with ReactJS and Django. Adapt at designing innovative and impactful projects that enhance system efficiency and user experience.

EDUCATION

Carmel High School [ICSE] <i>10th Percentage: 82.5%</i>	Patna, Bihar (2017 – 2018)
Holy Mission Senior Secondary School <i>12th Percentage: 85.5%</i>	Patna, Bihar (2019 – 2020)
SJB INSTITUTE OF TECHNOLOGY <i>B.E in Computer Science Engineering (9.37 CGPA)</i> <i>Relevant Coursework:</i> Data Structures, Algorithms, Operating Systems, Computer Networks, Web Technologies, AIML	Bangalore, Karnataka 2021 - 2025

PROFESSIONAL EXPERIENCE

HINDUSTAN AERONAUTICS LTD(HAL) <i>Web Developer</i> <ul style="list-style-type: none">E-Commerce Platform for Family Welfare: Developed a .NET-based platform for selling souvenirs and products, integrating secure user authentication and addressing complex system challenges.Technical Report: Explored authentication mechanisms, performance optimization, and database management using C#, .NET, and Oracle, documenting system design and security implementations.	Bangalore ,Karnataka Oct. 2023 – Nov. 2023
INDIAN SPACE RESEARCH ORGANIZATION(ISRO) <i>GUI Developer</i> <ul style="list-style-type: none">Satellite Tracking System: Developed a Python-based GUI to calculate satellite distances, determine latitude, longitude, and velocity, and track positions efficiently using TkinterTechnical Report: Analyzed satellite tracking algorithms and documented the process, including position computation, velocity estimation, and geographical distance calculations.	Bangalore, Karnataka Sep. 2024 – Nov. 2024
COGNIZANT TECHNOLOGY SOLUTIONS LTD. <i>Programmer Analyst Trainee</i> <ul style="list-style-type: none">Action Center: Learning Apex for development and gaining hands-on experience.	Chennai, Tamil Nadu Mar. 2025 – Present

PROJECTS

ANYWHERE VOTING MACHINE USING MACHINE LEARNING: Developed a Django-based remote voting platform with facial recognition (LBPH, Haar Cascade) and 2FA using OTP & email for secure authentication. Built a responsive UI with HTML, CSS, JavaScript, and used MySQL for data management.

RAILWAY RESERVATION SYSTEM: Developed using oracle apex and PL/SQL featuring Agent registration and role-based login.

VIDEO TRANSLATION MODEL: Automated video translation from English to regional languages. Technologies Used: Python Inbuilt Libraries

REAL-TIME EYE-BLINK Detection: Real-time eye-blink detection system using OpenCV. Technologies used: Python, OpenCV, JupyterLab

TASK MANAGEMENT SYSTEM: Developed a web-based app for task and project management with features like task creation, assignment, tracking, and collaboration. Technologies used: PHP, XAMPP, MySQL, HTML, CSS, JavaScript

SELECTED SKILLS

Languages: Java, Python, MySQL, Django, HTML, CSS, AngularJS, XAMPP,PL/SQL, ORACLE APEX

Certificates:

- Ethical Hacking and Cyber security (NICC)
- Foundations of Cyber Security(Google-Coursera)
- Google Cloud Compute (GDG)
- Javascript (Ethnotech Academic Solutions)
- Python Programming(Coursera)
- Fundamentals of JAVA Programming